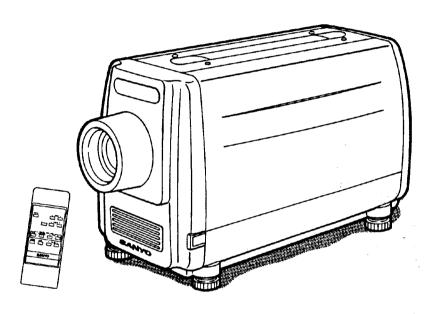


## SERVICE MANUAL

Liquid Crystal Colour Video Projector PLC-100P (Europe, Asia, Africa, M.E.) PLC-100PB (U.K.) PLC-100PP (Australia, NewZealand)



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ORIGINAL VERSION Chassis No.PJP1

Service PLC-100P-00 Ref. No. PLC-100PB-00 PLC-100PP-00

PRODUCT CODE

Contents

PLC-100P: 1113 092 00 PLC-100PB: 1113 092 01 PLC-100PP: 1113 092 02

## SAFETY INSTRUCTIONS

#### **SAFETY PRECAUTIONS**

WARNING: The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter transformer and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed:

- 1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the projector.
- 2. Comply with all caution and safety related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.
- 3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers or shields and barriers.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4. Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

#### **PRODUCT SAFETY NOTICE**

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by a mark( $\dot{\Delta}$ ) in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

" SERVICE PERSONNEL ---- WARNING" and the following or the equivalent: " Eye Damage May Result From Directly Viewing The Light Produced By The Lamp Used In This Equipment.

Always Turn Off Lamp Before Opening Cover. Ultraviolet Radiation Eye Protection Required During This Servicing."

Never turn the power on without the lamp to avoid electric - shock or damage of the devices since the stabilizer generates high voltages(10kV - 15kV) at its start.

Since the lamp is reacues a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off, to allow the lamp cool - off.

## **SPECIFICATIONS**

Projector Type	Portable LC colour video projector	
Dimensions (H x W x D)	323 mm x 221 mm x 633 mm	
Net Weight	12.8 Kg (28.2 lbs)	
LCD Panel System	3.1" TFT Active Matrix type (Thin Film Transistor) x 3	
Number of Pixels	331,350 (110,450 x 3)	
Colour System	4 colour system (PAL, SECAM, NTSC4.43 and NTSC)	
Projection Image Size (Diagonal)	531cm to 304 cm (21 to 120 inch) Adjustable	
Throw Distance	2.0 m ~5.3 m	
Contrast Ratio	100 : 1	
Horizontal Resolution	450 TV lines	
Projection Lens	f4.5 lens with 14 ~ 28 cm Motor- drive zoom and focus	
Lens Aperture	60 mm	
Projection Lamp	Metal Halide, 150 watt	
Projection Mirror	Dichroic mirror system	
AV Input Jacks	PHONO Type x 1 (Video , Audio R and L),	
	DIN 4 pin (S-Video) x 1 and 21 pin (SCART) x 1	
Audio Monitor Output Jacks	PHONO Type x 1 (R and L)	
Built- in Speaker	50 mm x 90 mm oval x 1	
Audio Amplifier	Solid-State, 3 watt RMS (T.H.D. 10%)	
Operating/Image Controls	Projection unit:     Mains ON/OFF, Power(Lamp) ON/OFF, Volume, Zoom,     Focus, Colour system select, Speaker ON/OFF,     Reverse picture scanning and Video mode select.  Infrared Remote Control:     Power(Lamp) ON/OFF, Volume, Sound mute, Zoom,     Focus, Colour system select, Video mode select,     Normalization, Function select and Level control.	
LED Indicators	Power ON/OFF, Ready, Temperature Warning, Lamp Replacement	
Image Elevation Adjustment	Up 5°, Down 5°	
Voltage	220~240V AC, 50/60Hz	
Power Consumption	230 Watts	
Operating Temperature	5°C ~ 35°C	
Storage Temperature	-10°C ~ 60°C	
Remote Control Battery	(2) AAA, UM4 or R03 type	
Standard Accessories	Infrared Remote Control, Owner's Instruction Manual, Protective Dust Cover	
Optional Accessories	Adjustable side- throw projection mirror	

## FUNDAMENTAL PRINCIPLES OF LIQUID CRYSTAL PROJECTOR

The white light from the light source is separated into red (R), green (G), and blue (B) light components by dichroic mirror, and each of these is projected onto three liquid crystal panels.

The three liquid crystal panels are driven by the primary color signals R/G/B, and R/G/B images are reproduced by the shutter operation of these liquid crystal panels. These reflections are condensed by lens and projected onto the screen.

The structure of the liquid crystal projector is shown in the diagram. The ultraviolet and infrared rays are cut out from the light beams given off from the metal halide lamp, which is the light source, by UV cut filter and cold filter at the beginning. This is to eliminate unnecessary light components in the projected images, and serves to protect the liquid crystal panel from the light and heat of the lamp.

The light beam, now made up only of visible light components, next undergoes spectral diffraction of the red light by the dichroic mirror used for the selecting out of red. The spectrally diffracted red light is reflected by the aluminum full reflection mirror, is projected onto panel unit R, and here the red component image is formed.

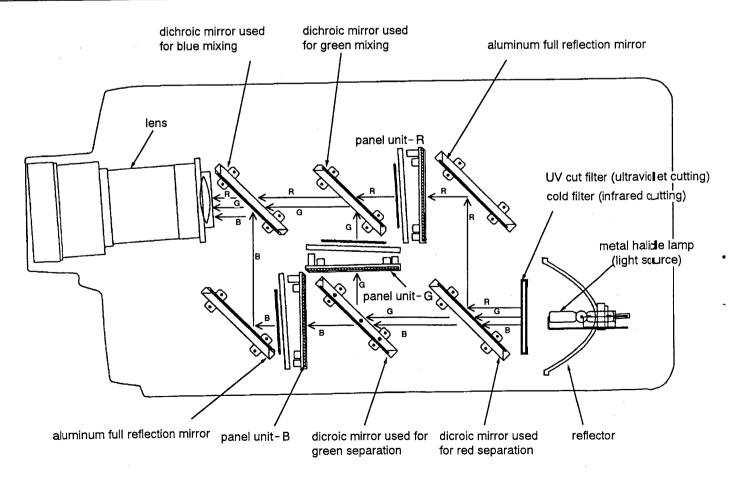
The light beam, with the red light having been separated out, next undergoes spectral diffraction of the green light by the dichroic mirror used for the selecting out of green. The spectrally diffracted green light is projected onto panel unit G, and here the green component image is formed.

The images formed on panel units R and G are mixed together by the dichroic mirror used for green mixing.

After spectral diffraction of the red and green light, the light beam (blue light) is projected onto panel unit B, and here the blue component image is formed.

The image formed on panel unit B, after being reflected by the aluminum full reflection mirror, is mixed with the red and green fused image by the dichroic mirror used for blue mixing. The mixed image is thereupon projected onto the screen through a lens.

#### Liquid crystal projector conceptual diagram



## SYSTEM CONTROL

## All systems are controlled by IC801 (CPU).

#### Main functions:

- 1. Power ON/OFF.
- 2. Input selection.
- 3. Digital control.
- 4. On screen.
- 5. Volume control.
- 6. Lamp monitor (Ready).
- 7. Temperature monitor (Temp. Warning).
- 8. Lamp replacement monitor (Lamp replace).
- 9. Zoom and Focus motor control.

#### 1. Power ON/OFF.

CPU controls the power relay by a signal from the unit or the remote control.

### 2. Input selection.

Input selection will be switched from AV1 → AV2 → RGB → AV1 by the Video Mode Select button on the unit or remote control. During this operation "V.MODE" will be shown on the right corner for 5 seconds. When you turn on the power switch, the lamp is not stable yet and the indication will be shown for 30 seconds.

#### 3. Digital control.

Digital control will be switched from COLOUR TINT CONT—BRIGHT V. TON by pressing the FUNCTION button. At these selection, level can be adjusted by LEVEL button. Indication on the screen will be off after 8 seconds. When you press NORMALIZATION button, "NORMALIZATION" will be shown on the screen and all digital controls will be switched back to the factory setting. "NORMALIZATION" indication will be shown for 5 seconds.

#### 4. On screen.

All functions will be shown on the screen. Signal will be output from CPU and combined at signal circuit.

#### 5. Volume control.

Volume will be adjusted by the buttons on the unit and remote. The indication will be shown for 5 seconds. The sound will be muted by the mute button and the indication will be changed to red color for 5 seconds.

#### 6. Lamp monitor.

This unit use a metal – halide arc lamp. This lamp is operated at high voltage. 10 kV ~ 15 kV will be used at striking and 80 V after lamp is on. This lamp generates heat and needs cooling. After turning off the lamp, the cooling fan continues to run for one minute to cool down the lamp. This is required to reduce the gas pressure inside the lamp. During this period, the lamp can not be turned on. The green LED will not be on for one minute after turning off the lamp. After one minute the indicator will be on and the lamp is ready to start again.

#### 7. Temperature monitor.

When the temperature rises due to an inoperative fan or poor ventilation, the power will be automatically turn off and the red LED Indicator will light. The temperature is monitored by a bi-metal temp. sensor.

#### 8. Lamp replacement monitor.

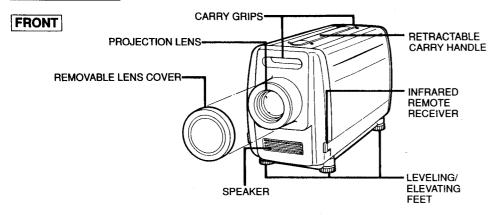
The lamp has a life. The orange LED indicator will warn you the replacing time. The Indicator will be lit after 1000 hours of use. Accumulated time will be stored in N0N - VOLA memory (IC803) by CPU (IC801), and this information is not erased after the power cord is unplugged. After replacing the lamp, RESET switch should be set. This switch is only activated when Power is on. "RESET" indication will be shown on the screen. Do not press this RESET switch other than replacing the lamp. In the case of replacing control unit for repairing NON-VOLA memory IC (IC803) should be used continually.

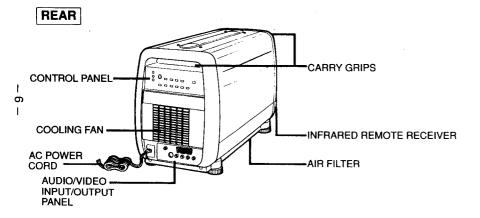
#### 9. Zoom and Focus motor control.

Two DC motors are attached on the lens for z<sub>1</sub>0 m, focus adjustment.

When adjusting focus, "FOCUS" will be shown on the screen and it will be off after 5 seconds when releasing the switch. For motor protection purpose, motor will be stopped after pressing the switch for 10 seconds.

## **DESCRIPTION**





#### MOVING THE PROJECTOR

Use the built-in carry grips or retractable carry handle when moving the projector.





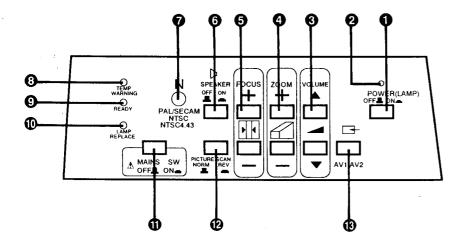
Replace the lens cover when moving the projector to prevent damage to the lens.

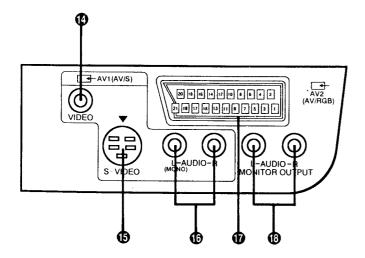
## TROUBLE SHOOTING GUIDE

Please perform these simple checks before calling for service.

SYMPTOMS	PROCEDURES
No power	<ul> <li>Plug the projector into an AC outlet.</li> <li>Press the MAINS ON/OFF button to ON.</li> <li>If READY INDICATOR does not light green, check to be sure AC power is being supplied to the outlet.</li> <li>Press the POWÉR (LAMP) ON/OFF button to ON.</li> </ul>
No sound from built-in speaker	<ul> <li>Press the VOLUME (▲) and (▼) to (▲).</li> <li>Press the SPEAKER button to ON.</li> <li>Check audio cable connection with audio input source.</li> </ul>
Picture is reversed	Press the REVERSE PICTURE SCANNING button.
Picture blurred or colour faded	<ul> <li>Adjust the FOCUS buttons.</li> <li>Adjust the ZOOM buttons.</li> <li>Make sure the projector is at a 90° angle to the projection screen.</li> <li>Move the projector closer is at the screen.</li> </ul> NOTE: Moving the projector from a cool temperature location to a warm temperature location may result moisture condensation on the lens. In such an event, leave the projector OFF and wait until condensation disappears.

#### **OPERATION OF CONTROLS**





**1** POWER (LAMP) ON/OFF BUTTON

Press to turn power and projection lamp on or off.

2 POWER INDICATOR

Lights dim when the projector is on. Lights bright when the projector is stand-by position.

**6** VOLUME BUTTONS

Used to increase or decrease sound level.

2 ZOOM BUTTONS

Used to operate power zoom lens.

**6** FOCUS BUTTONS

Used to operate power focus system.

**6** SPEAKER ON/OFF BUTTON

Turns the built-in speaker on or off.

**O** COLOUR SYSTEM SELECT BUTTON

Press to select colour system. (AUTO → PAL → SECAM → NTSC4.43 → NTSC)

**3** TEMPERATURE WARNING INDICATOR

Lights red when internal projector temperature is too high.

**9** READY INDICATOR

Lights green when projector is ready to be turned on.

**10** LAMP REPLACEMENT INDICATOR

Lights orange when projection lamp is nearing end of service life.

**M** MAINS ON/OFF BUTTON

Press to turn the projector on.

**@** REVERSE PICTURE SCANNING BUTTON

Automatically reverses the projected screen image.

VIDEO MODE SELECT BUTTON

Press to select video source. (Video Input-1, Video Input-2, or RGB INPUT)

VIDEO INPUT-1 JACK

Used to connect a video source to the projector.

**6** S-VIDEO INPUT JACK

Used to connect a S-VHS video source to the projector.

1 AUDIO INPUT-1 JACKS

Used to connect an audio input to the projector.

1 21-PIN TERMINAL

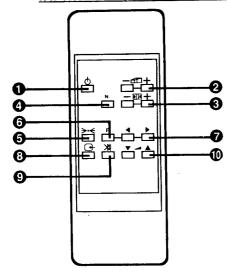
Used to connect a video source with a 21-pin terminal to the projector.

**®** AUDIO MONITOR OUTPUT JACKS

Permits audio connection to a monitor.

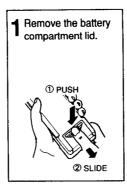
## REMOTE CONTROL OPERATION

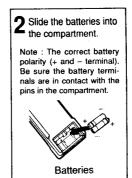
#### **INFRARED REMOTE CONTROL**



- POWER (LAMP) ON/OFF BUTTON Press to turn projection lamp on or off.
- 2 ZOOM BUTTONS Used to operate power zoom lens.
- S FOCUS BUTTONS Used to operate power focus system.
- OCLOUR SYSTEM SELECT BUTTON Press to select colour system. (AUTO → PAL → SECAM → NTSC4.43 → NTSC)
- NORMALIZATION BUTTON Used to reset to normal factory set picture adjustment.
- FUNCTION SELECT BUTTON Used to select on-screen adjustment displays for colour, tint, contrast, brightness, video tone. Press repeatedly to cycle.
- ◆ LEVEL CONTROL BUTTONS Used to adjust colour, tint, contrast, brightness, video tone by pressing ¬ or buttons.
- VIDEO MODE SELECT BUTTON Press to select video source. (Video Input-1, Video Input-2 or RGB Input)
- SOUND MUTE BUTTON Used to mute sound.
- VOLUME BUTTONS Used to adjust volume.

#### REMOTE CONTROL BATTERY INSTALLATION



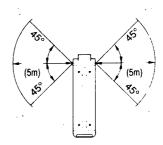




#### USING THE REMOTE CONTROL WITH THE PROJECTOR

After installing the remote control, press the POWER (LAMP) ON/OFF BUTTON to ON. Point the remote control toward the front of the projector (Receiver window) whenever pressing the buttons.

Maximum operating range for the remote control is about 5m and 45° from the front of the projector.



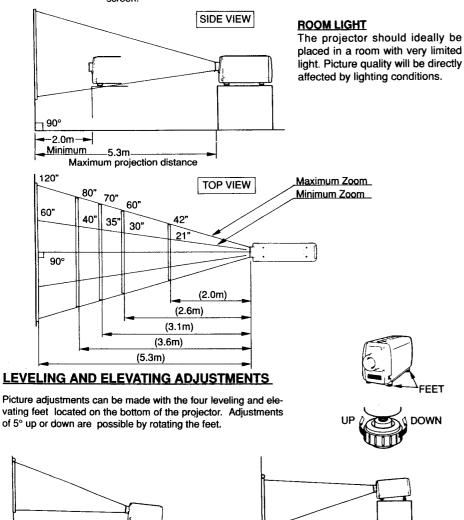
To insure safe operation, please observe the following precautions:

- \* Use (2) AAA, UM4 or R03 type batteries.
- \* Change both batteries at the same time.
- \* Do not use a new battery with a used battery.
- \* Avoid contacting the remote control with water.
- \* Do not drop the remote control unit.

## **SETTING-UP THE PROJECTOR**

#### **POSITIONING:**

- This projector is designed to project on a flat projection surface. If the projector is not placed at 90° angle to the screen, the projected image may become distorted and difficult to view.
- This projector can be focused from 2.0m-5.3m.
- Use the illustration below as an example when positioning the projector to the



## **USING THE PROJECTOR**

#### TO TURN ON THE PROJECTOR

- 1. Connect the projector to a video source (VCR, Video Camera, Video Disc Player, etc.) using the appropriate terminals on the rear of the projector.
- 2. Connect the projector's AC power cord into a wall outlet, and press the MAINS ON/OFF button (located on projector) to ON. (If the READY lights green, proceed on step 3.)

## NOTE: AFTER YOU TURN OFF THE PROJECTOR YOU MUST WAIT ONE MINUTE BEFORE YOU CAN TURN THE UNIT ON AGAIN.

3. Press the POWER (LAMP) ON/OFF button (located on projector) to ON. The POWER INDICATOR is dim. The wait display (A MOMENTI/UN MOMENTO! and numeral 30) appears on the screen and the count-down starts (30–29–28–...1). The signal from the video source appears after 30 seconds.



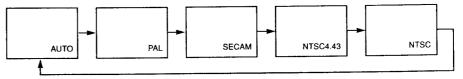
NOTE 1: If the TEMPERATURE WARNING INDICATOR flashes red, the projector will automatically turn off. Wait at least 5 minutes before turning the projector on.

If the TEMPERATURE WARNING INDICATOR continues to flash, follow the procedures below:

- (1) Press POWER (LAMP) ON/OFF button to OFF.
- (2) Check the air filter for dust accumulation.
- (3) Remove dust with vacuum cleaner.
- (4) Press POWER (LAMP) ON/OFF button to ON.

  If the TEMPERATURE WARNING INDICATOR continues to flash, call your authorized dis tributor for service.
- NOTE 2: POWER (LAMP) ON/OFF button on the remote control can be activated only when POWER (LAMP) ON/OFF button on the projector is pressed to ON.
- NOTE 3: When the POWER INDICATOR will light red, press twice the POWER (LAMP) ON/OFF button (located on projector) to ON or press the POWER (LAMP) ON/OFF button on the remote control to ON
- Press the COLOUR SYSTEM select button (located on projector or remote control) to select AUTO, PAL, SECAM, NTSC4.43 or NTSC.

Each time Colour System select button is pressed, the colour system changes as follows:



When the colour system is set to "AUTO" position, this projector can receive colour programs from one of the 4 systems (PAL, SECAM, NTSC4.43 or NTSC), automatically. If the signal quality is poor, make sure the proper colour system is selected to match the video source.

- 5. Press the VIDEO MODE select button (located on projector or remote control) to select Video Input-1 or Video Input-2 or RGB Input. The "AV1" or "AV2" or "RGB" display will appear on the screen.
- 6. Press the ZOOM buttons (located on projector or remote control) to obtain the desired picture size. For the larger size, press (+) and for the smaller size, press (-).

7. To adjust the focus, press the FOCUS button (located on projector or remote control) for sharper, crisper picture. (This focus display will appear for 5 seconds when it is pressed.) You can make the focus adjustment easily by using the display.



- 8. To use the built-in speaker, press the SPEAKER button (located on projector) to "ON" position. To adjust the volume, press the VOLUME buttons (located on projector or remote control). The volume level display will appear on the screen.
- Pressing the MUTE button on the remote control will mute the audio (A mute display will appear).Press the MUTE button again to restore audio to its previous level.
- 10. The normal colour setting is factory preset on the projector and can be obtained anytime by pressing the NOR-MALIZATION button on the remote control. You can adjust the colour to your preference by using the FUNCTION and LEVEL buttons on the remote control.

#### TO TURN OFF THE PROJECTOR

Press the POWER (LAMP) ON/OFF button on the remote control to OFF. Video, Audio and projection lamp will turn off. The POWER INDICATOR will light red.

Or, press the POWER (LAMP) ON/OFF button on the projector to OFF. Video, Audio and projection lamp will turn off.

NOTE: When POWER (LAMP) ON/OFF button on the projector is turned off, the READY INDICATOR will turn off, and will relight 1 minute later.

The cooling fan will operate for 1 minute after the projector is turned off. (During this "cool down" period, the projector can not be turned on).

After 1 minute, the READY INDICATOR will light green and the cooling fan shut off. Now the projector is ready to be turned on. (See STEP 1 in "To turn on the projector").

CAUTION: • Do not turn off the main power using the MAINS ON/OFF button on the projector until the

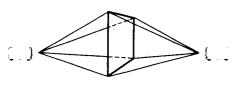
- When the READY INDICATOR lights green, the projector is ready to be turned on.
- When the READY INDICATOR light is off, the projector is not ready. Wait for 1 minute or until the indicator lights green.

#### OTHER FEATURES

The versatile left/right picture reverse capability lets you project onto the screen from in front or behind.

 Press the REVERSE PICTURE SCANNING button on the projector, if required.

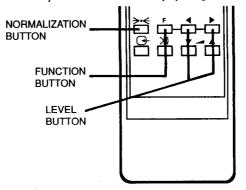
With the adjustable side throw projection mirror (optional accessory), the distance from the projector to the screen can be effectively reduced, permitting projection even in small rooms.





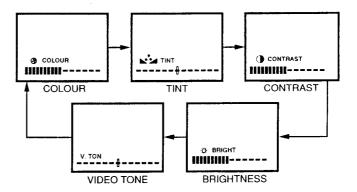
### **COLOUR AND PICTURE ADJUSTMENTS**

Picture adjustment can be made only by using the wireless remote control.



Colour and picture adjustments have been preset at the factory to quality standards. However, with the FUNCTION and LEVEL buttons on the remote control you can select colour and picture adjustments you personally prefer.

Select the picture adjustments function by pressing FUNCTION button.
 Each time FUNCTION button is pressed, the control function changer as follows:



NOTE: "TINT" will be skipped during in the PAL and SECAM mode.

- 2. Adjust the colour intensity, tint, contrast, brightness or video tone by pressing LEVEL (▶ and ◄) buttons.

  3. The ON -SCREEN display will disappear automatically in 8 seconds.
- NOTE: The projector is equipped with a built-in memory feature that eliminates the need to readjust the picture each time the projector is turned on. If NORMALIZATION button is pressed, the projector will return to factory preset colours.

## **CONNECTING THE PROJECTOR**

Your projector comes equipped with various audio/video inputs and outputs including S-VHS video input and 21-pin

#### **CONNECTING TO THE AV1 INPUT JACKS**

Connect to the video and audio outputs of a VCR, video disc player, video camera, satellite TV tuner or other AV equipments.

- · If the audio signal from the AV equipment is stereo, be sure to connect the right and left channels to the respective right and left audio input jacks.
- · If the external audio signal is monaural one, connect it to the left jack.

#### S-VHS FORMAT VCR CONNECTION

The AV1 inputs include an extra video input jack marked S-VIDEO to allow connection to an S-VHS format VCR that has separate Y/C video signals. The S-VIDEO jack has priority over the VIDEO jack.

#### **CONNECTING TO THE AV2 21-PIN TERMINAL**

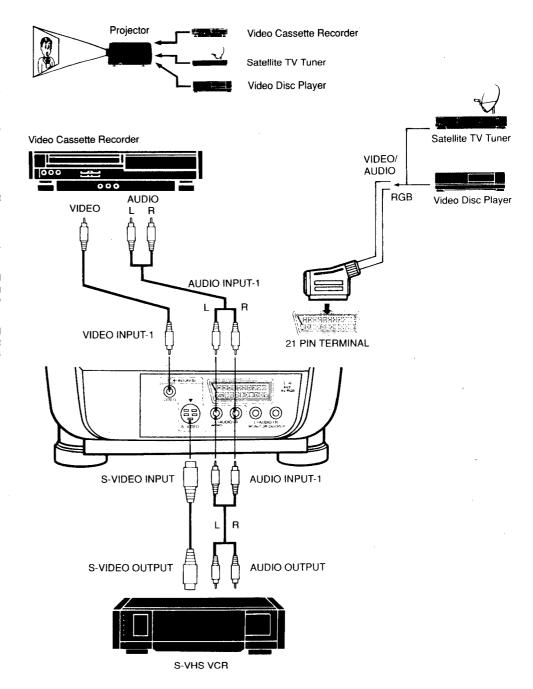
VCR, Video disc player or other AV equipment can be connected to the 21-pin terminal on the rear of the projector. When the 21- pin terminal is used for connection of AV equipment, note the following point.

- · When using equipment (VCR tapes or video discs) with the input function signal into PIN No. 8 of 21-pin terminal below, the VIDEO MODE is automatically set to "AV2" and VIDEO MODE selection is not required. And when using equipment without the input function signal, press VIDEO MODE select button on the projector or remote control to select "AV2" mode.
- · When using equipment with RGB input signal and without the control signals for PIN No. 8 and 16 of 21-pin terminal below, press VIDEO MODE select button to select "RGB" mode, and when using equipment with both RGB input signal and the control signals, the VIDEO MODE is automatically set to "AV2" mode and VIDEO MODE selection is not required.

#### 21-PIN TERMINAL



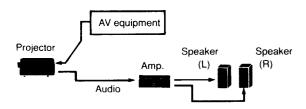
Specific	cation of 21-pin terminal	
in No.	Signal	
1.	Audio output (right channel)	0.5 Vrms/ ≤1 K ohm
2.	Audio input (right channel)	0.5 Vrms/ ≥10 K ohm
3.	Audio output (left channel)	0.5 Vrms/ ≤1 K ohm
4.	Earth (audio)	
5.	Earth (blue)	
6.	Audio input (left channel)	0.5 Vrms/ ≥10 K ohm
7.	Blue (B) input	0.7 Vp-p75 ohm
8.	Function switching	L: 0-2V, H-12V
9.	Earth (green)	
10.	Not used	
11.	Green (G) input	0.7 Vp-p/75 ohm
12.	Not used	
13.	Earth (red)	· · · · · · · · · · · · · · · · · · ·
14.	Earth	
15.	Red (R) input	0.7 Vp-p/75 ohm
16.	Fast blanking	L: 0-0.4V, H:1-3V
17.	Earth (video)	
18.	Earth	
19.	Video sync. output	1 Vp-p/75 ohm
20.	Video sync. input	1 Vp-p/75 ohm
~ -		

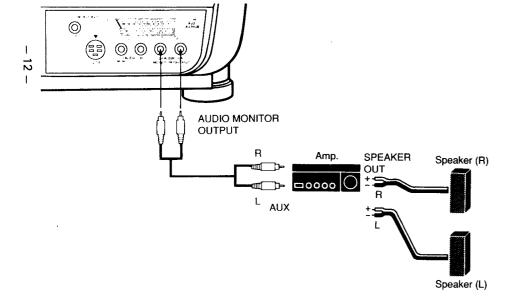


#### CONNECTING TO THE AUDIO MONITOR OUTPUT JACK

These jacks will contain the audio information of the selected program source being viewed on the screen. If you have selected program source AV1 whatever signal is connected to the AV1 jacks will be available at the audio monitor output jacks.

- If the audio input of the audio equipment is stereo, be sure to connect the right and left channels to the respective right and left jacks.
- · If the audio input of the audio equipment is monaural one, connect it to the left jack.





## AIR FILTER CARE AND CLEANING

The removable air filter prevents dust from accumulating on the surface of the projection lens and projection mirror. Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat built up and reduced lamp life.

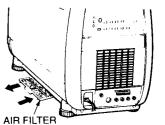
To clean the air filter, following the cleaning procedures below:

- 1. Turn the POWER (LAMP) ON/OFF button OFF.
- 2. Remove the air filter from the bottom of the projector.
- 3. Clean the air filter with a vacuum cleaner.
- 4. Replace the air filter. Make sure that it is fully inserted.



Do not clean with water. Doing so may damage the air filter.

Do not operate the projector with air filter removed.





#### LAMP REPLACEMENT INDICATORS

When the lamp nears the end of its service life, the picture quality and color quality will deteriorate and the lamp replacement indicator will light orange.

#### **TEMPERATURE WARNING INDICATOR**

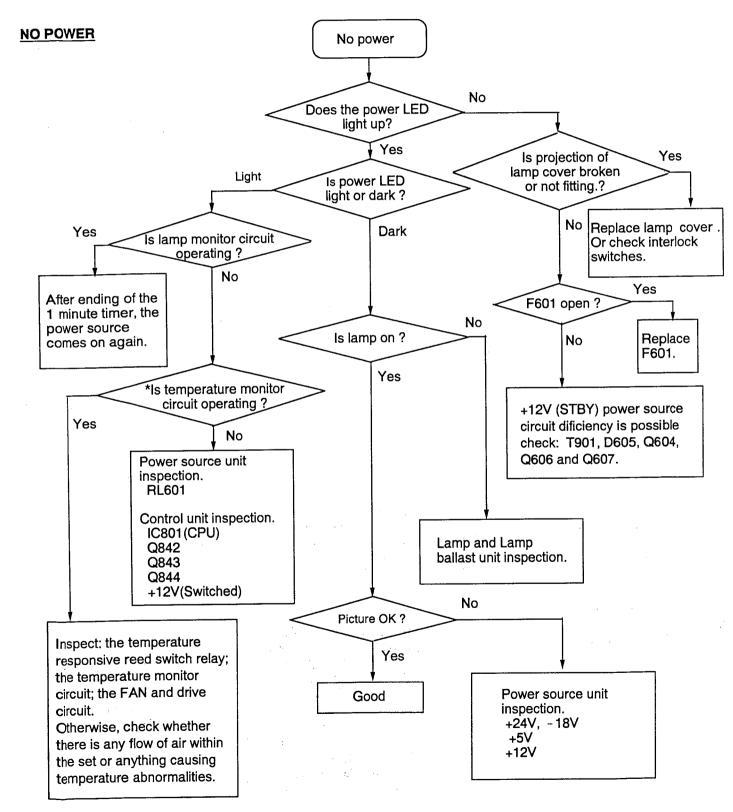
The TEMPERATURE WARNING INDICATOR lights red when the internal temperature of the projector exceeds the normal temperature.

Possible causes for the temperature warning may be:

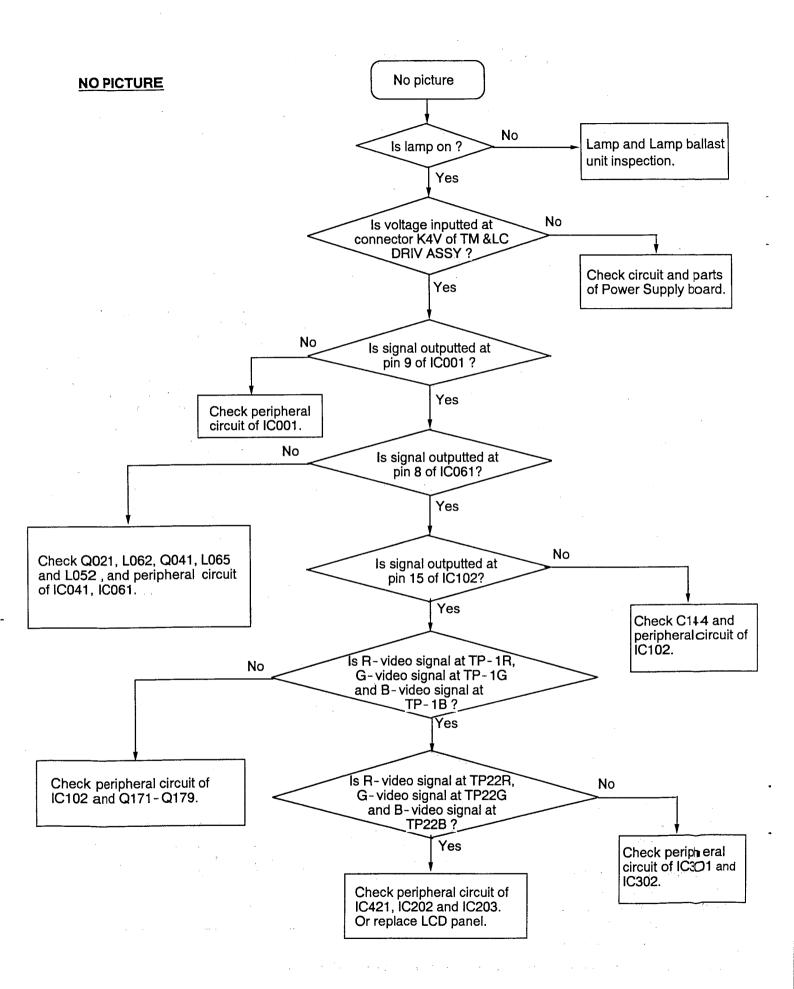
- Ventilation slots at the rear or bottom of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the Air Filter Care and Cleaning section above.
- If temperature warning indicator remains on after performing the checks listed above, cooling fan/internal circuits may have malfunctioned. Request service from an authorized distributor or service station.

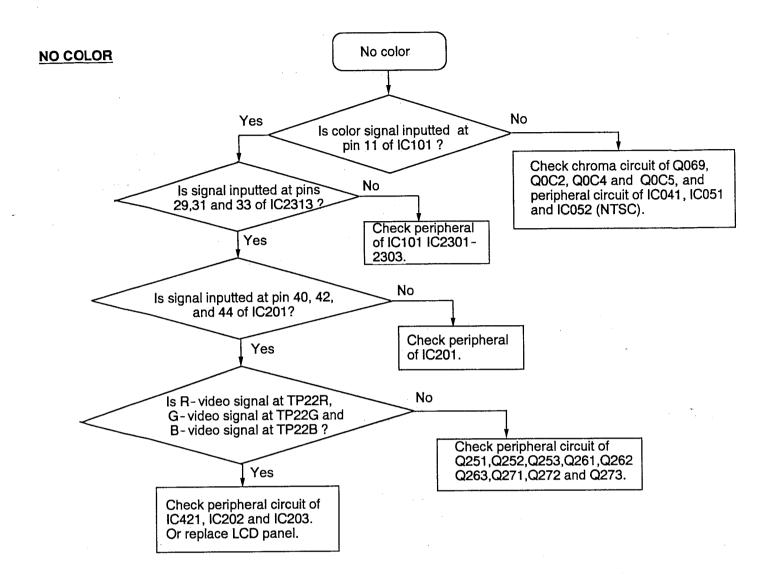
## TROUBLESHOOTING CHART

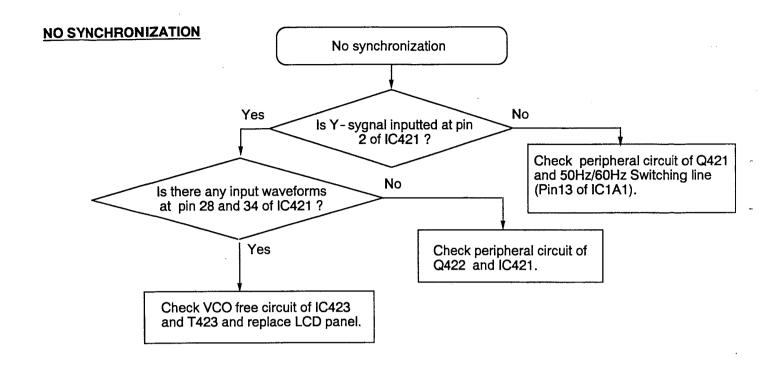
The below chart centers on a circuit characteristic of this function and describes the general standard for discovering trouble spots. Please refer to it when performing maintenance. Please use when inspecting inside the unit.

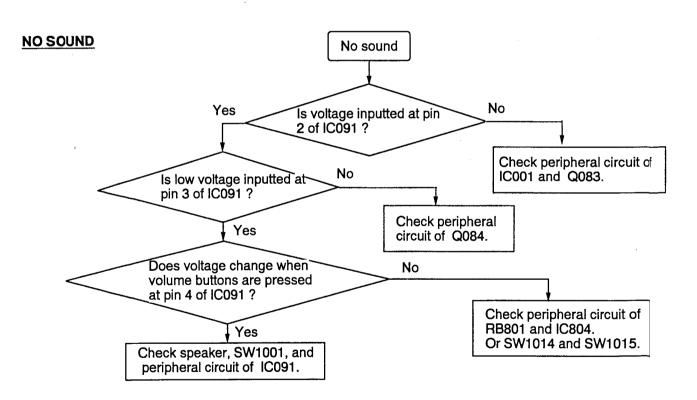


<sup>\*</sup> The temperature responsive reed switch relay (SW901) is ON under normal conditions.







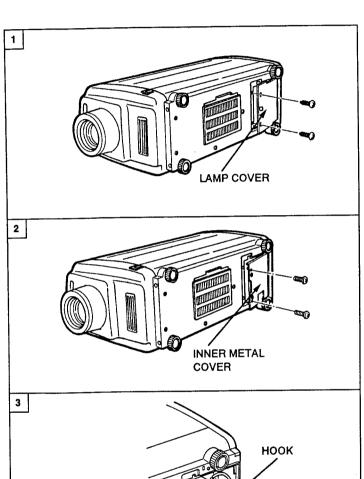


## I AMP REPLACEMENT

WARNING THIS LAMP IS OPERATED UNDER HIGH PRESSURE. FOR CONTINUED SAFETY, REPLACE WITH A LAMP OF THE SAME TYPE.

UNPLUG THE PROJECTOR FROM THE POWER OUTLET BEFORE THE PROJECTION LAMP IS REPLACED.

DO NOT ATTEMPT TO CHANGE A HOT LAMP. BE CAREFUL NOT TO TOUCH THE LAMP OR MIRROR WITH OILY FINGERS.



- Place the projector on it's side.
- 2. Remove 2 screws and lamp cover.
- 1. Remove 2 screws on the inner metal cover.
- 2. Remove the inner metal cover.
- 3 1. Remove 2 screws on the lamp and holder ass'y.
- 2. Disconnect the lamp connector, push the hook and pull the connector forward.
- 3. Pull out the lamp and holder ass'y carefully.
- 1. Replace with new lamp and holder ass'y,
- 2. Connect the lamp connector.
- 3. Install the inner metal cover and lamp cover.
- 5

4

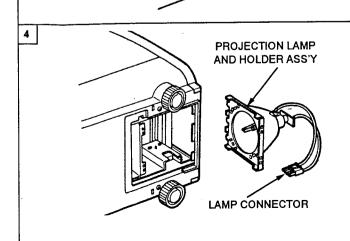
- 1. Connect the AC power cord into an outlet, press to turn power on.
- 2. 1 minute after turning on power, press the RESET SWITCH.

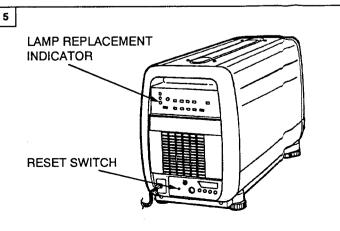
Note: The "RESET" display will appear on the screen and the lamp replacement indicator disappears.

#### RECOMMENDATION

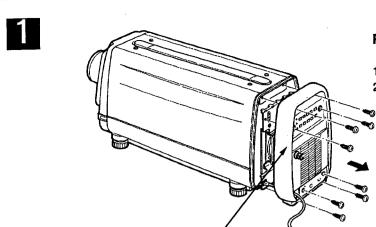
Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectivenes and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced.

Refer to AIR FILTER CARE AND CLEANING on the page 12.





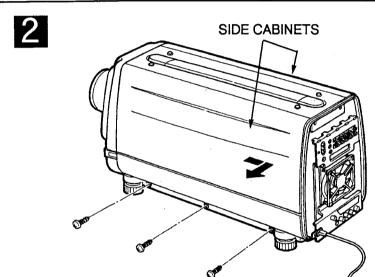
## MECHANICAL DISASSEMBLIES



**REAR CABINET** 

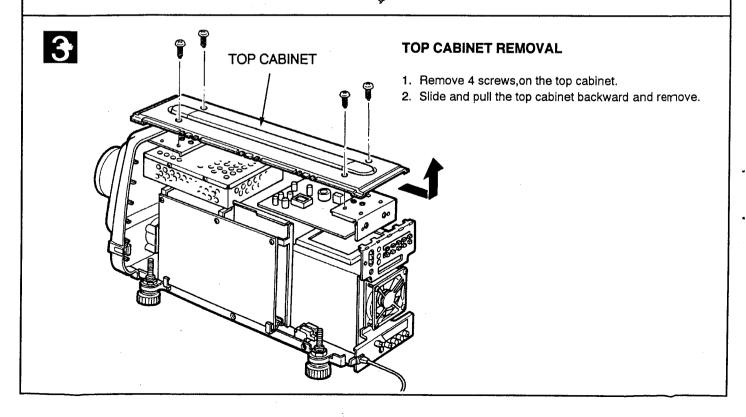
#### **REAR CABINET REMOVAL**

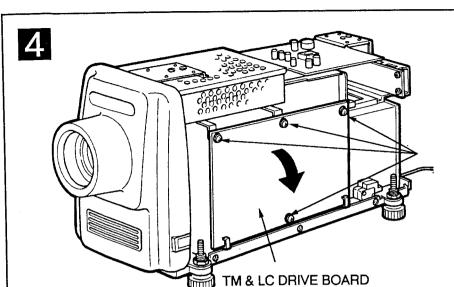
- 1. Remove 8 screws, on the rear cabinet.
- 2. Then pull the rear cabinet backward and remove.



#### SIDE CABINETS REMOVAL

- 1. Remove 3 screws, on the bottom of the side cabinet.
- 2. Slide and pull the side cabinet backward and remove.
- Remove the another side cabinet, repeat steps 1 and2.

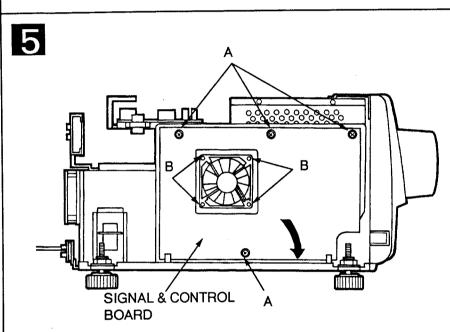




#### TM &LC DRIVE BOARD EXTEND

(when checking circuits and adjustments)

- Remove 4 screws on the TM & LC DRIVE board.
- 2. Gently extend the TM & LC DRIVE board forward.



# SIGNAL & CONTROL BOARD EXTEND

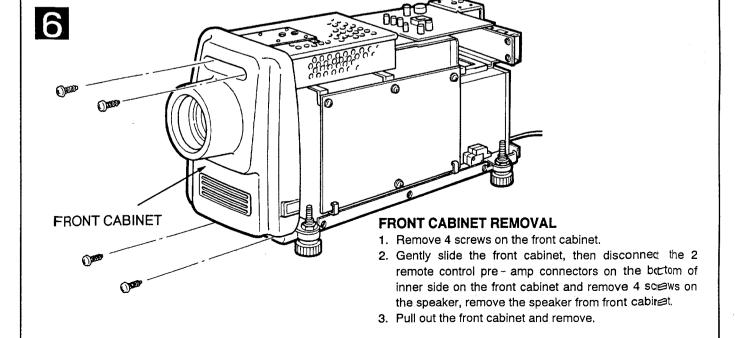
(when checking circuits and adjustments)

- Remove 4 screws(A) on the Signal & Control board.
- 2. Gently extend the Signal & Control board forward.

#### SIDE FAN REMOVAL

(when replacing the fan, Red and Green LCD panel, or convergence adjustment.)

Remove 4 screws (B) on the corner of the side fan.

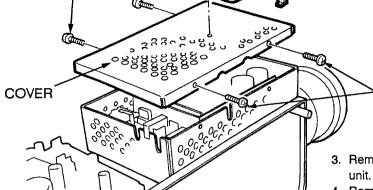




В

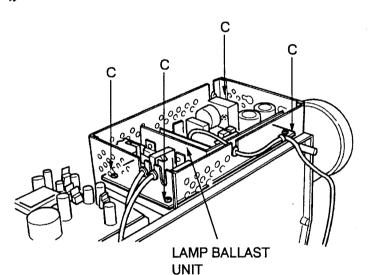
#### **LAMP BALLAST UNIT REMOVAL**

- 1. Remove screw-A, then remove the retainer.
- 2. Remove 4 screws B, then pull out the cover and remove.



RETAINER

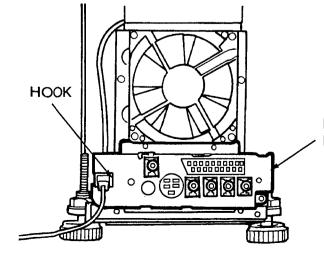
- 3. Remove 4 screws C, on the coner of the Lamp ballast unit.
- 4. Remove the Lamp ballast unit from the case.





#### **BACK TERMINAL BOARD REMOVAL**

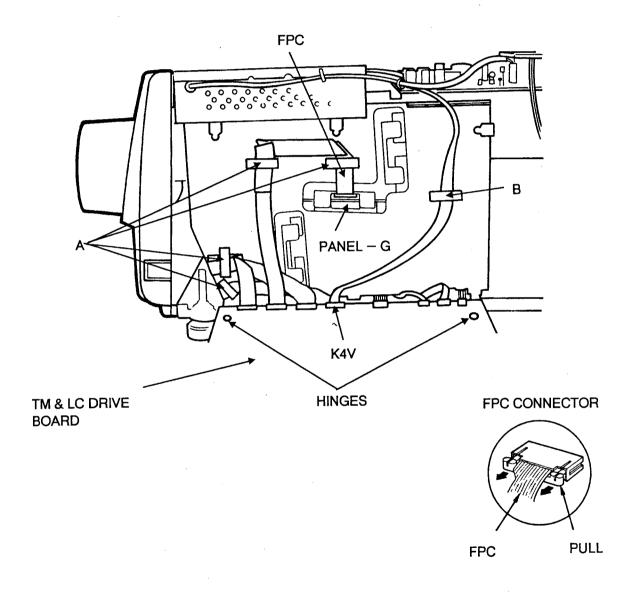
- 1. Unhook the AC cord from the Back terminal board.
- 2. Remove 2 screws, then remove the Back terminal bo ard.



BACK TERMINAL BOARD

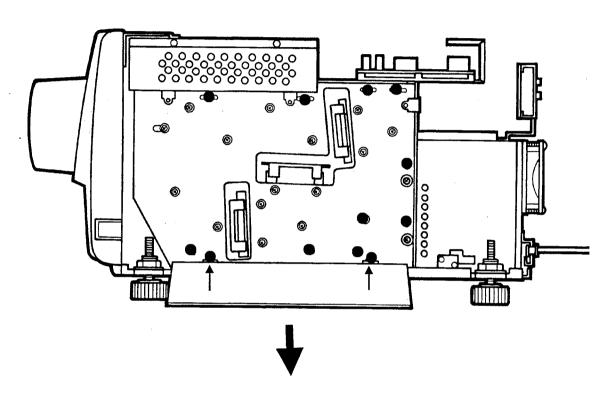
## TM & LC DRIVE BOARD REMOVAL

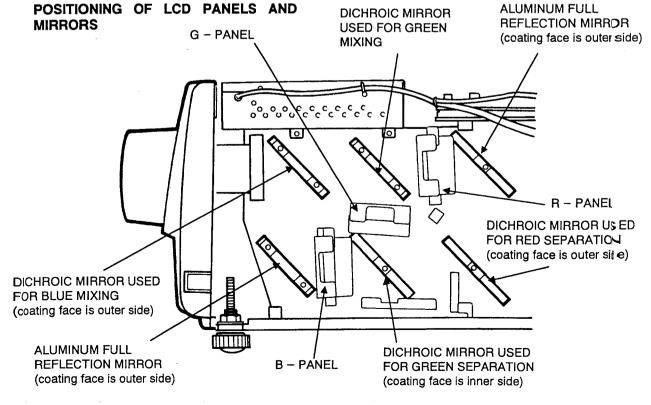
- 1. Unfasten the FPC from the 4 wire holders A.
- 2. Disconnect the FPC from the FPC Connector of Panel G. (Refer to below figure.)
- 3. Push the 2 Hinges, then remove the TM &LC DRIVE board.
- 4. Unfasten the wire from the wire holder B. Disconnect the Connector "K4V" from the TM & LC DRIVE board.



#### **INSULATION PANEL REMOVAL**

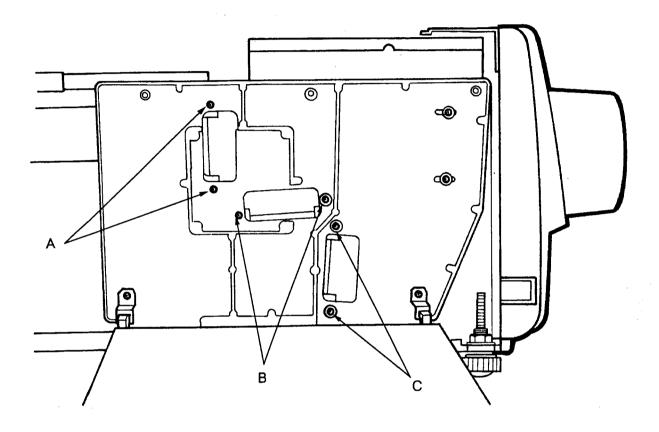
- 1. Remove 12 screws (large, ), and 17 screws (small, ●) on the Insulation panel.
- 2. Gently remove the Insulation panel from the set.

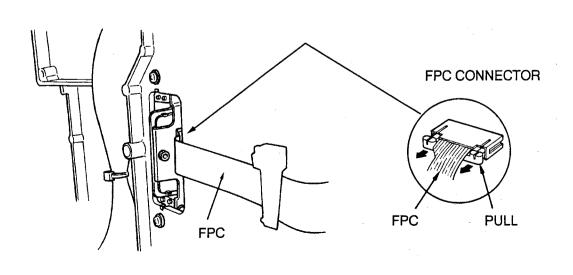




## **REMOVAL OF LCD PANELS**

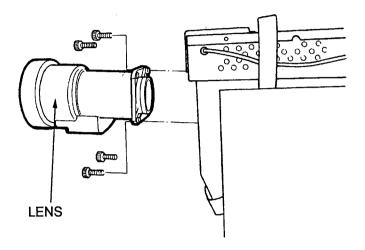
- Reconnect the FPC when removing the R Panel or B -Panel on the set.
- 2. IF changing the LCD Panel, remove the 2 screws A for the R Panel, the 2 screws B for the G Panel, and the 2 screws C for the B Panel.





#### **LENS REMOVAL**

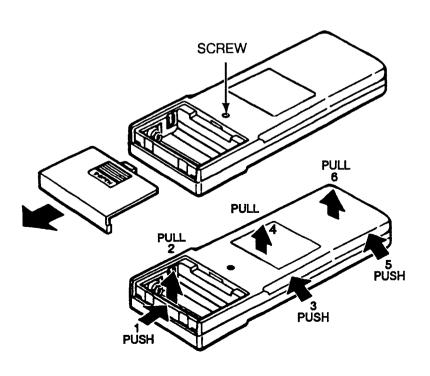
- 1. Keep holding the lens and remove 4 screws fixing the lens.
- 2. Remove the lens from the unit.



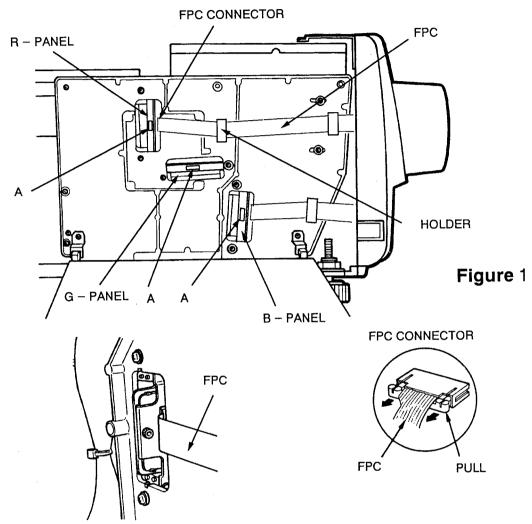
13

#### REMOTE CONTROL TRANSMITTER DISASSEMBLY

- 1. Press the battery cover downward and slide it off the back of the transmitter.
- 2. Remove the screw.
- 3. Push and pull the rear of cabinet bottom, then push and pull the side of cabinet bottom, and remove the cabinet bottom.



## LCD PANEL REPLACEMENT



- Remove the FPC cable holder, then remove the FPC cable from the LCD panel being replaced. (Refer to below Fig.)
   For G (green) LCD panel replacement, remove the cable after removing the LCD panel. (Refer to Fig.1)
- On the side of the set shown in Fig.1, loosen the screw "A" (only one) holding the LCD panel being replaced.
- 3. Remove the two screws from the panel to be replaced on the opposite side of the set as that shown in Fig.1. (Refer to Fig.2 and Fig.3)

For replacement of the G (green) LCD panel, remove the FPC cable holder at this point.

- 4. Pull the LCD panel out from the set. (Refer to Fig.3)

  For replacement of the G (green) LCD panel, remove the FPC cable from the panel at this point.
- 5. Remove the 4 screws on the LCD panel, and remove the LCD panel from the panel retainer. (Refer to Fig.4)
- 6. For installation of the new panel, reverse the above procedures.

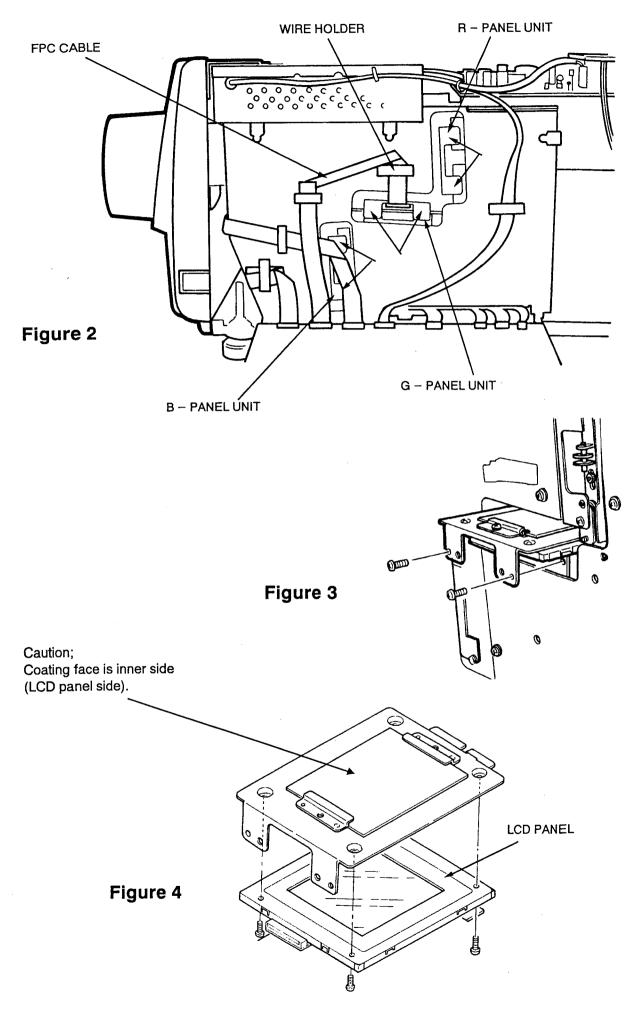
After replacing an LCD panel, check the focus (refer to Focus Adjustments) and adjust the convergence (refer to Convergence Adjustment).

When replacing the R - LCD panel, check the R focus and adjust the convergence.

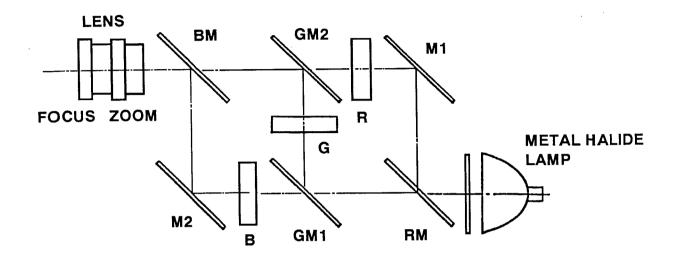
When replacing the B - LCD panel, check the B focus and adjust the convergence.

When replacing the G - LCD panel, after checking the G focus, also check the R and B convergence.

Adjust the R and B convergence if either one is out of alignment. (Alignment of G with R and B can also be made by adjusting the position of the G panel.)



## OPTICAL ADJUSTMENTS



### Optical path adjustment

- Preparation before adjustment.
- 1. Place lamp, M1, M2, BM, GM1, GM2, RM and lens at right position.
- 2. Make sure that M2, BM, GM2, RM is placed at 45 degree with optical path and 90 degree with base.
- Optical path adjustment.
- 1. Turn the lamp on and place screen in front of projection lens and show the lamp image on the screen.
- If the blue lamp image is off from the green lamp image at 90 degree angle (vertical) when masking the red lamp, rotate GM1, and if the lamp image is off at horizontal direction, adjust mounting angle against base.
- If the blue lamp image is off from the red lamp vertically when masking the green lamp, rotate M1 and if that is horizontal, adjust mounting angle against base.

This adjustment is only for R.G.B. optical path, and not for centering the beam.

#### Lens position adjustment.

- Insert paper, etc. in locations B and C as indicated in Fig. 1 (Next page) to block the B light and R light, and project only the G light.
- 2. Loosen screws "X","Y" and "Z" as indicated in Fig.1 and Fig.2 (on the pages 28 and 29).
- 3. Focus with zoom lens at Tele. side.
- 4. Adjust lens position for the best focus with zoom lens at wide side. Temporarily tighten screw "X", "Y" and "Z".
- 5. Try 2 and 3 a few times and find out the best to cus position and fix the lens. Tighten screws "X","Y" and "Z".

#### **FOCUS ADJUSTMENTS**

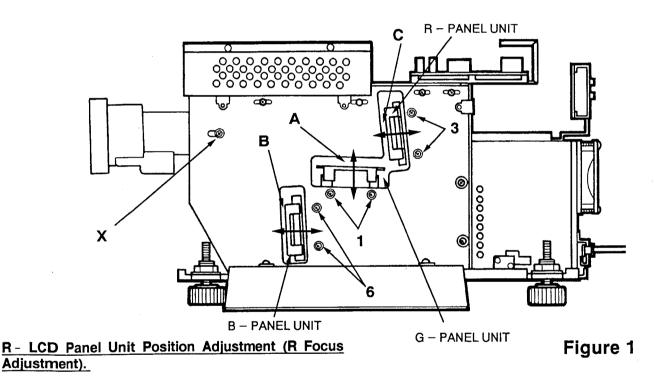
When conducting focus adjustment, first adjust the G (green) LCD panel unit as the standard reference, then adjust the lens position without causing any misalignment to the G (green) zooming focus. Next align the focus for R (red) and B (blue) by adjusting the position of each panel unit.

For adjustment, the setting configuration for the unit is as shown in Fig.1 and Fig.2.

The pattern signal used for adjustment should be a pattern in which the R, G and B dots are easily distinguishable. (A flat pattern, etc.)

# G - LCD Panel Unit Position Adjustment (G Focus Adjustment)

- 1. Turn on the power to the unit, and project the adjustment pattern on the screen.
- 2. Insert paper, etc. in locations B and C as indicated in Fig.1 to block the B light and R light, and project only the G light. Using the remote control focus, adjust the focus so the left side of the pattern on the screen is sharp focus.\*
- 3. Loosen screws "1" (Fig.1) and screws "2" (Fig.2). Move the G panel unit (on the side shown in Fig.1) up or down until the right side of the screen is in sharp focus. Tighten screws "1" (Fig.1) and screws "2" (Fig.2).



Before conducting the R focus adjustment, make sure the G focus adjustment has already been completed.

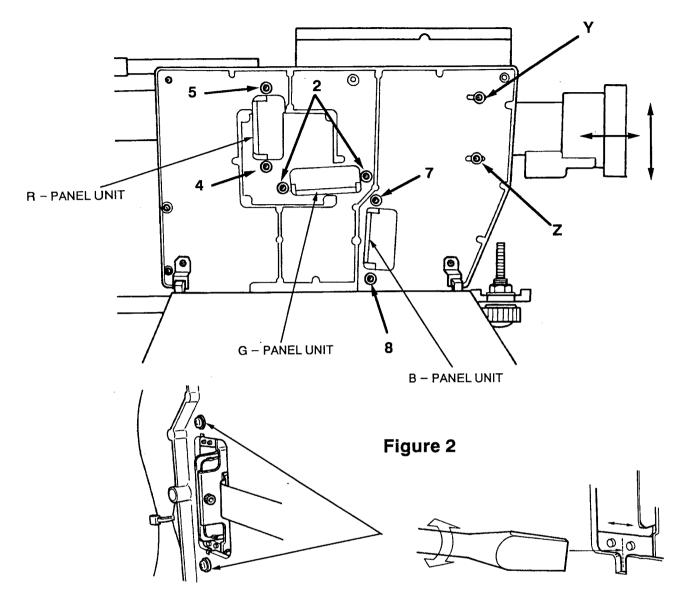
- 1. Temporarily tighten the R panel unit holding screws "3", "4" and "5" (shown in Fig.1 and Fig.2) in their midway positions in the screw slots.
- 2. Insert paper, etc. in locations A and B as indicated in Fig.1 to block the G light and B light, and project only the R light. Using the remote control focus, adjust the focus until the middle left side of the pattern on the screen is in the best focus.
- 3. Loosen screws "3" (Fig.1) and screw "4" (Fig.2). Move the lower part of the R panel unit forward or backward until the upper left hand side of the screen is in sharp focus. For adjustment, insert a slot head screwdriver in the adjustment slot provided in the screw "4" mount, and perform the same method as the R panel unit.

Temporarily tighten screw "4".

4. Loosen screw "5" (Fig.2) and move the upper pat of the R panel unit forward or backward until the lower left of the screen is in sharp focus.

Temporarily tighten screw "5".

- 5. Repeat steps 3 and 4 until the left hand R focus is h the best position possible, then tighten screws "4" and "5".
- 6. Move the R panel unit forward or backward on the side shown in Fig.1 until the right hand side of the sceen is in sharp focus. Tighten screws "3".(Fig. 1)
- \* Sharp Focus ···· A single dot being clearly disting Lishable on the screen.



# B - LCD Panel Unit Position Adjustment (B Focus Adjustment).

Before conducting the B focus adjustment, make sure the G focus adjustment has already been completed.

- 1. Temporarily tighten the B panel unit holding screws "6", "7" and "8" (shown in Fig.1 and Fig.2) in their midway positions in the screw slots.
- 2. Insert paper, etc. in locations A and C as indicated in Fig.1 to block the G light and R light, and project only the B light. Using the remote control focus, adjust the focus until the middle left side of the pattern on the screen is in the best focus.
- 3. Loosen screws "6" (Fig.1) and screw "8" (Fig.2). Move the lower part of the B panel unit forward or backward until the upper left hand side of the screen is in sharp focus. For adjustment, insert a slot head screwdriver in the adjustment slot provided in the screw "8" mount, and perform the same method as the B panel unit.

Temporarily tighten screw "8".

- 4. Loosen screw "7" (Fig.2) and move the upper part of the B panel unit forward or backward until the lower left of the screen is in sharp focus.
  - Temporarily tighten screw "7".
- 5. Repeat steps 3 and 4 until the left hand B focus is in the best position possible, then tighten screws "7" and "8".
- 6. Move the B panel unit forward or backward on the side shown in Fig.1 until the right hand side of the screen is in sharp focus. Tighten screws "6".(Fig. 1)

## **CONVERGENCE ADJUSTMENTS**

For convergence adjustment, with G (green) as the reference standard, align R and B by adjusting the position and angle of the R (red) and B (blue) LCD panels.

#### Before Adjustment:

Make sure each R, G, B LCD panel unit has been correctly installed, and that all focus adjustments have been completed before performing convergence adjustments. (See Focus Adjustments)

Below is an explanation regarding adjustment screws and panel movement.

Screws "1" and "2" shown in Fig.3 and Fig.4, hold the LCD panels in place (hex hole screws).

Screws "A", "B" and "C" shown in Fig.4 are for convergence adjustment.

The movement of the R and B patterns using the "A", "B" and "C" screws is as follows:

### R Panel Adjustment

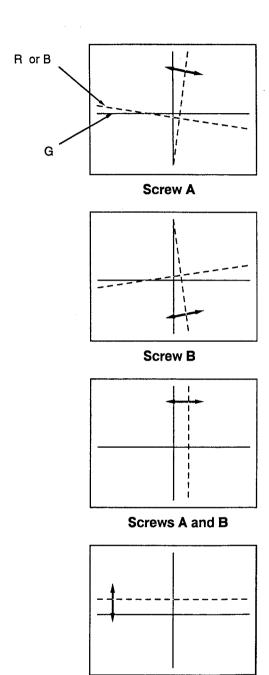
- 1. Insert paper, etc. in location A shown in Fig.2 to block the B light.
- 2. Loosen screws "1" and "2" on the R panel. (Refer to Fig.3 and 4)
- 3. Using screws "A" and "B" (Fig.4), align the R grid pattern vertical center line parallel with the G grid pattern vertical center line (at this time the horizontal line will also be parallel)

Adjust the "A", "B" screws with a slot type screwdriver.

- 4. Turn both "A" and "B" screws in the same direction to align the R vertical center line on top of the G vertical center line. Repeat procedures 3 and 4 if necessary.
- 5. Turn screw "C" by hand to align the R horizontal center line on top of the G horizontal center line.
- 6. By repeating steps 3 thru 5, align the R grid pattern directly on top of the G grid pattern.

Convergence adjustment is always made on the center of the grid pattern. There may be some color misalignment on the periphery of the screen.

7. Tighten the R panel screws "1" and "2" when adjustment has been completed.

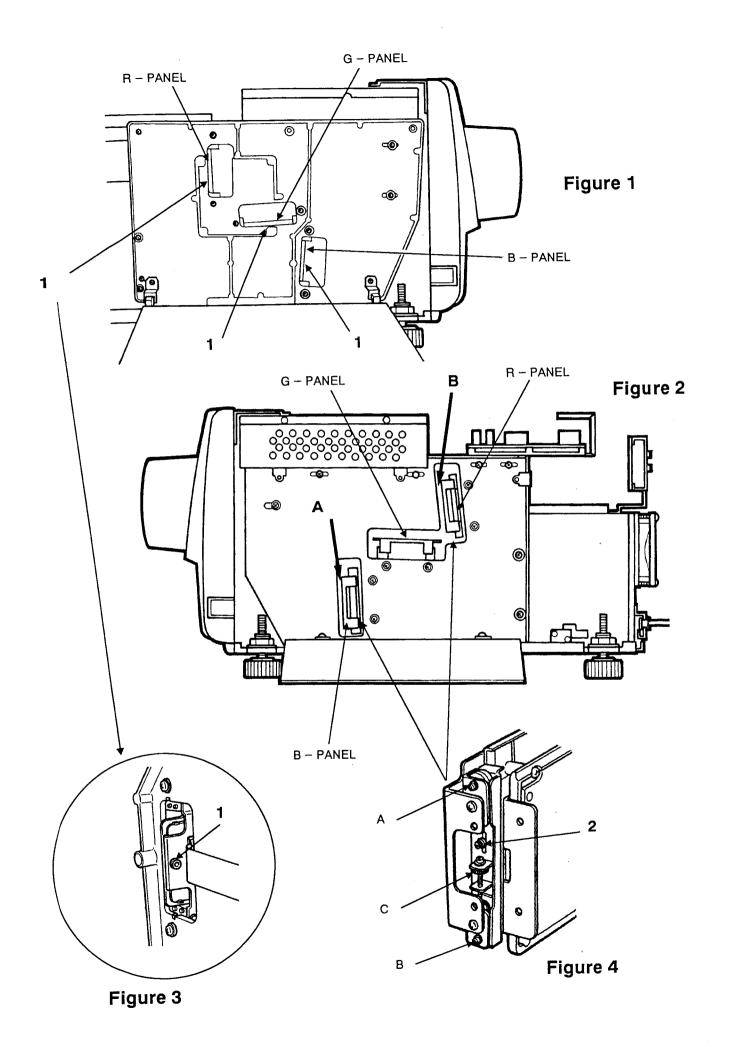


### **B** Panel Adjustment

1. Insert paper, etc. in location B shown in Fig.2 to block the R light.

Screw C

- 2. Loosen screws "1" and "2" on the B panel. (Refer to Fig.3 and 4)
- 3. The adjustment procedures for aligning the B grid pattern on top of the G grid pattern are the same as those or the R panel.



## **CLEANING METHODS**

After long periods (many years) of use, dust and particles and other contamination will accumulate on the LCD panels, lens, mirror, etc. and the picture will tend to darken and color blurring may occur.

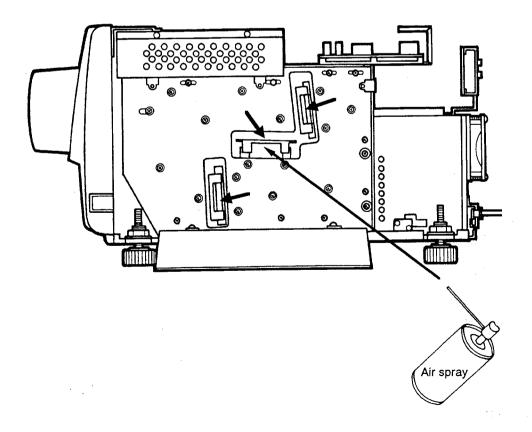
When this occurs, cleaning of the inside of the unit will be necessary. For dust and light accumulation of contamination, use an air spray to remove the dust. If the contamination cannot be removed by air spray, disassembly and cleaning of the unit will be necessary. Perform all cleaning according to the cleaning methods given below.

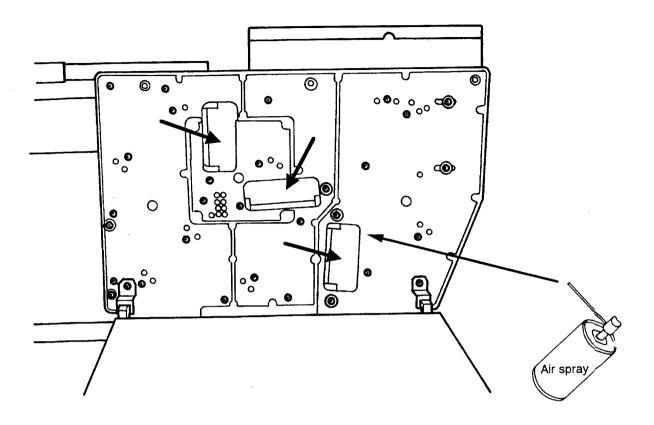
#### Caution:

Use a commercial (insert gas) air spray designed for camera cleaning use. Never use any cleaner other than that specified for cleaning the LCD panels, lens, mirror or polarizing plate. Also, never scrape with any hard material as this will cause damage.

## Air Spray cleaning Method

Remove dust from the LCD units by inserting the air spray nozzle in the openings on both sides of the sets holding the LCD units. (Caution: Always use a nozzle made of resin. Also be very careful not to cause any damage to the LCD panel assembly parts with the nozzle tip.





## Disassembly cleaning Method

After performing disassembly cleaning, adjustment of the unit will be necessary.

Disassembly cleaning should only be performed when there is considerable contamination which cannot be removed by air spray.

#### Caution:

Never remove the mirror. The position of the mirror is precisely set at the factory. Perform all cleaning of the mirror with it attached to the unit.

## Disassemble and clean the LCD panel units.

Disassembly and assembly of the LCD panel units is performed according to the exploded view diagrams given for each panel, cleaning of the mirror is always performed with it attached to the main unit.

Perform the cleaning of each part according to the cleaning methods described below.

#### Polarizing Glass Lens

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

#### Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

#### LCD Panels

Never use water or other liquids on the LCD panels. If the liquid gets into the circuits, damage will result.

#### Mirrors

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

#### Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

## SERVICE ADJUSTMENTS

#### +12 VOLT (ALWAYS) ADJUSTMENT

EQUIPMENTS ..... Digital voltmeter CONNECTIONS ..... TP 12 (K6V - pin 7)

TE 12 (ground)

INPUT SIGNAL ..... Standard video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: Adjust VR601 to read 12.5  $\pm$  0.1V DC.

#### HORIZ. OSC. FREQUENCY ADJUSTMENT

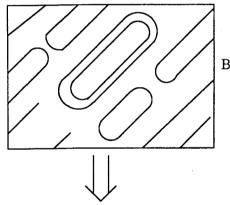
EQUIPMENTS · · · · · Short clip

CONNECTIONS · · · · · TP 1F

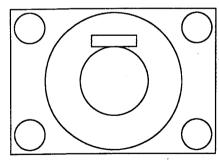
TE 1E (ground)

INPUT SIGNAL · · · · · PAL Circular video signal

ADJUSTMENT: Adjust VR1J1 to below.



Before Adj.



After Adi.

## PAL/NTSC COLOUR ADJUSTMENT

1. CW Adjustment

EQUIPMENTS · · · · · Short clip

CONNECTIONS ..... TP 1D

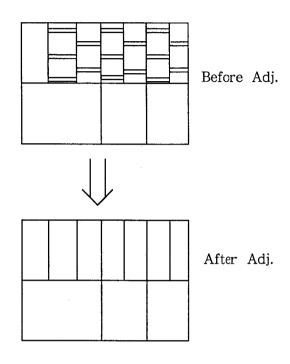
TE 1E (ground)

INPUT SIGNAL · · · · · PAL/NTSC3.58 Colour video

signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: Adjust VC131 (PAL) and VC132(NTSC3.58) to below.



2. PAL Colour Adjustment

EQUIPMENTS · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 1BY

TE 1E (ground)

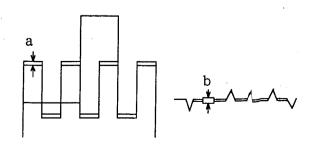
INPUT SIGNAL ..... PAL Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T121 adjust the ampitude of "a" shown below to be minimum.

By using VR121 adjust the amplitude of "b"

shown below to be minimum.



#### SECAM COLOUR ADJUSTMENT

1. Bell-Filter Adjustment

EQUIPMENTS · · · · · · · Oscilloscope

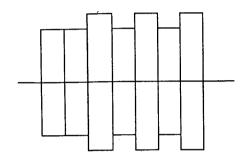
CONNECTIONS · · · · · TP 1A

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T041 adjust the envelope of the below wave form to be most straight.



2. SECAM ID Adjustment

EQUIPMENTS · · · · · · Oscilloscope (Special Probe)

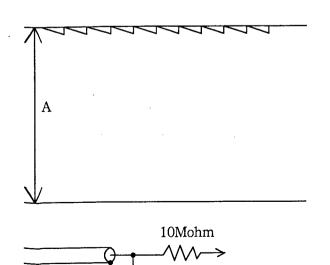
CONNECTIONS · · · · · TP 1C

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T131 adjust A to be maximum.



0.01uF

3. R-Y Adjustment

EQUIPMENTS · · · · · · · Oscilloscope

CONNECTIONS · · · · · TP RY

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T112 adjust "a" must be same as Center line of "b".

4 B-Y Adjustment

EQUIPMENTS ..... Oscilloscope

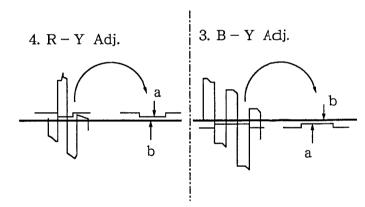
CONNECTIONS · · · · · TP BY

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T111 adjust "a" must be same as Center line of "b".



#### **BLANKING PULSE ADJUSTMENT**

EQUIPMENTS · · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 23V

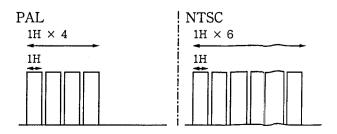
TE 31E (ground)

INPUT SIGNAL ..... PAL/NTSC Circul ar video

signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR481 (PAL)/VR482(NTSC) adjust to the below.



Special Probe

#### AD INPUT ADJUSTMENT

EQUIPMENTS · · · · · · · Oscilloscope

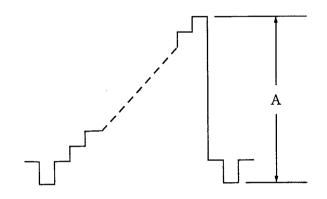
CONNECTIONS · · · · · TP 1G

TE 1E (ground)

INPUT SIGNAL ..... Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR151 adjust A to be 3  $\pm$  0.2Vpp



#### **VCO OSC. ADJUSTMENT**

1. VCO (18KHz) Adj.

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS ..... TP 4D

TE 4E(ground)

INPUT SIGNAL · · · · · PAL Circuler video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T421, adjust TP 4D-TP 4E to be

 $2.5 \pm 0.1 V$ .

2. VCO (15KHz) Adj.

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS · · · · · · TP 4F

TE 4E(ground)

INPUT SIGNAL · · · · · PAL Circuler video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T422, adjust TP 4F-TP 4E to be

 $2.5 \pm 0.1 V$ .

#### **VCO FREE OSC. ADJUSTMENT**

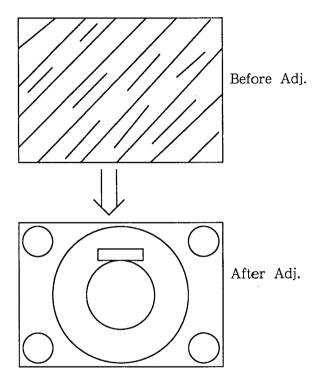
EQUIPMENTS · · · · · Short clip X2

CONNECTIONS · · · · · TP 4A , J872

TE 1E (ground)

INPUT SIGNAL ..... PAL Circular video signal

ADJUSTMENT: Adjust T423 to below.



#### D/A OUTPUT LEVEL ADJUSTMENT

EQUIPMENTS · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 31R (R)

TE 31G (G) TE 31B (B)

TE 31E (ground)

INPUT SIGNAL ..... Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR2303 (R), VR2302 (G), VR2301 (B) adjust A to be 1  $\pm$  0.02Vpp

#### **B-YADJUSTMENT**

EQUIPMENTS · · · · · · Oscilloscope

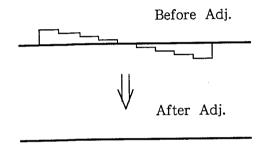
CONNECTIONS · · · · · TP 33C

TE 31E (ground)

INPUT SIGNAL · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR301, adjust the wave form to be straight.



### SUB CONTRAST/BRIGHT ADJUSTMENT

EQUIPMENTS · · · · · · Oscilloscope

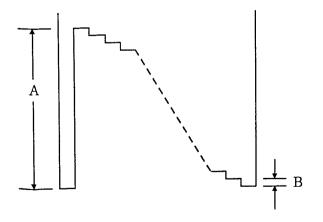
CONNECTIONS · · · · · TP 22G

TE 20E (ground)

INPUT SIGNAL ..... Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR503, adjust A to be 6.4  $\pm$  0.2 Vpp (Contrast) and by using VR210, adjust B to 2.0  $\pm$  0.1Vpp (Bright).



### **R & B GAIN ADJUSTMENT**

EQUIPMENTS · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 22R (R GAIN CH1)

TP 22B (B GAIN CH1)
TP 22G (CH2)
TE 20E (ground)

INPUT SIGNAL ..... Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR205, adjust Black-DC Level to be same. and by using VR202, adjust Black-White Level to be same. (R GAIN) By using VR203, adjust Black-DC Level to be same. and by using VR201, adjust Black-White Level to be same. (B GAIN)

#### **COMON AMP. ADJUSTMENT**

EQUIPMENTS · · · · · · · Oscilloscope

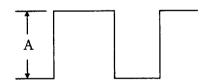
CONNECTIONS · · · · · TP 23G

TE 20E (ground)

INPUT SIGNAL · · · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR206, adjust A to be  $6.4 \pm 0.2$  Vpp.



#### R.G.B. GATE VOLTAGE ADJUSTMENT

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS · · · · · TP 52R (R +)

TP 22R (R -)

TP 52G (G +)

TP 22G (G -)

TP 52B (B +)

TP 22B (B -)

INPUT SIGNAL ..... Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR551(R), VR561(G), VR571(B), adjust to the voltage of PANEL ± 0.2V.

#### R.G.B. COMON CENTER ADJUSTMENT

INPUT SIGNAL · · · Gray Scale video signal

PICTURE CONDITION · · · · Normal position.

ADJUSTMENT: By using VR207(R), VR209(G), VR208(B), adjust the picture to be darkest.

#### WHITE BALANCE ADJUSTMENT

INPUT SIGNAL · · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · Normal position.

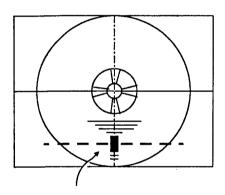
ADJUSTMENT: By using VR203(B-Bias Adj.) and VR205 (R-Bias Adj.), adjust to be balanced Gray Scale.

### O.S.D. CENTER ADJUSTMENT

INPUT SIGNAL · · · · · · · NTSC Circular video signal

PICTURE CONDITION · · · · Normal position.

ADJUSTMENT: By using VR803, adjust the center of OSD to picture center.



Center Mark

### REMOTE CONTROL TRANSMITTER SERVICE NOTE

To repair remote control transmitter, check as follows:

- 1. Check battery installation and battery voltage. If necessary, replace batteries.
- 2. Connect oscilloscope to Q1 "Base" and ground.
- 3. Check the amplitude pulse by pushing the remote control transmitter key in the due order.
- 4. If pulse does not appear, replace with a new unit.

### CHASSIS ELECTRICAL PARTS LIST

Rroduct safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a  $\triangle$  mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No. , Part Ref. No. , Part No. ,and descriptions.

Ref. No. Part No.	Description	Ref.No. Part No. Description
404 008 3108 C621 403 045 1504 C622 403 042 2405 C623 403 042 4805 C624 403 053 3606 C627 403 053 6904 C628 403 045 9807 C628 403 043 2008 C631 403 067 5603 C632 403 134 9305 C634 403 067 5603 C636 403 039 9004	ELECT 1000U M 25V ELECT 100U M 16V ELECT 1000U M 16V ELECT 1000U M 16V ELECT 2200U M 35V ELECT 330U M 35V ELECT 2200U M 25V ELECT 2200U M 16V MT-COMPO 0.1U J 50V ELECT 2200U M 16V MT-COMPO 0.1U J 50V	D611
RESISTER	. TUEDULOTOD EDT DESELEDOD	A601A 610 229 4279 POWER ASSY-E4ZA-A A601B 610 229 4286 POWER ASSY-E4ZA-B
RTH601 408 014 1608 R601 401 008 860	CARBON 220K JA 1/2W	ΔPC601 408 014 9703 PC CNY17F-30PT1+6 ΔRL601 610 009 5540 RELAY
△R602 402 000 8309 △R603 402 000 8309 R604 401 080 2009	SOLID 5.6M KA 1/2W	610 230 5425 SIGNAL & CNTL PCB ASSY E4ZA UE2410
R607 401 007 2903 R608 401 007 2903	CARBON 1M JA 1/2W	TRANSISTER
R609 401 065 2705 R610 401 060 7405 R611 401 024 7406 R612 401 025 8205 R613 401 026 0606 R614 401 024 7406 R616 401 024 7406 R617 401 024 7006 R621 401 021 2005 R623 401 026 1006 R624 401 026 9906 R625 401 026 9906 R626 401 026 9906 R627 401 026 9906 R628 401 026 9906 R629 401 024 7406 R629 401 024 7406 R630 401 025 7806 R631 401 026 0606	OXIDE-MT	QQC1
VARIABLE RESISTER VR601 610 019 402	VR B-1K	405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR
TRANSFORMER  △T601 610 229 404	CONVERTER TRANS	405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP
COIL L601 610 212 601 L602 610 229 893 L603 610 031 595	B LINE FILTER LINE FILTER LINE FILTER LINE FILTER LINE FILTER INDUCTOR 120UHK INDUCTOR	405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 00C3 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S
D605 407 003 550	B DIODE 1S2471	405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP
D608 407 013 1000 407 013 4300 407 013 6500 407 005 4500 407 013 1200 407 013 420	B DIODE 1S1553 DIODE 1S2076A B DIODE 1S2471 DIODE DS442X	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 406 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-O(SAN) 405 001 7605 TR 2SA1015-Y(SAN)

Ref. No.	Part No. Description	Ref.No.	Part No.	Description
	405 004 3109 TR 2SA564A-Q(CU) 405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP	Q021	405 020 79 405 011 73 405 011 74 405 011 75	305 TR 2SC1740-Q 404 TR 2SC1740-R 503 TR 2SC1740-S
	405 006 1103 TR 2SA933-0 405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R		405 011 84 405 011 85 405 011 86 405 012 20	500 TR 2SC1740S-R 609 TR 2SC1740S-S 002 TR 2SC1815-GR
Q0C5	405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S		405 012 21 405 012 23 405 019 19 405 019 21	309 TR 2SC1815-Y 909 TR 2SC536-E-NP
	405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR		405 019 38 405 020 79 405 020 7	804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA
	405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP	Q022	405 020 79 405 011 79 405 011 79 405 011 79	305 TR 2SC1740-Q 404 TR 2SC1740-R
	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA		405 011 8 405 011 8 405 011 8 405 012 2	401 TR 2SC1740S-Q 500 TR 2SC1740S-R 609 TR 2SC1740S-S
Q0G1	405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-0 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S		405 012 2 405 012 2 405 019 1	101 TR 2SC1815-0 309 TR 2SC1815-Y 909 TR 2SC536-E-NP
	405 011 8401 TR 2SC1740S-0 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR		405 019 2 405 019 3 405 020 7 405 020 7	804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA
	405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP	Q023 Q041	405 020 7 405 018 2 405 011 7 405 011 7	808 TR 2SC3402 305 TR 2SC1740-Q
	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA		405 011 7 405 011 8 405 011 8	'503 TR 2SC1740-S 1401 TR 2SC1740S-Q 1500 TR 2SC1740S-R
Q0G2	405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S		405 011 8 405 012 2 405 012 2 405 012 2	2002 TR 2SC1815-GR 2101 TR 2SC1815-0 2309 TR 2SC1815-Y
	405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR		405 019 1 405 019 2 405 019 3 405 020 7	7708 TR 2SC536-F-NP 8804 TR 2SC536-G-NP
	405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP	. Q042	405 020 7 405 020 7 405 011 7 405 011 7	7709 TR 2SC945A-QA 7907 TR 2SC945A-RA 7305 TR 2SC1740-Q
	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA		405 011 7 405 011 8 405 011 8	7503 TR 2SC1740-S 3401 TR 2SC1740S-Q 3500 TR 2SC1740S-R
00G3 00G4	405 020 7907 TR 2SC945A-RA 405 016 2206 TR 2SC2878-A 405 016 2305 TR 2SC2878-B 405 016 2206 TR 2SC2878-A	į	405 011 8 405 012 2 405 012 2 405 012 2	2002 TR 2SC1815-GR 2101 TR 2SC1815-0
Q0P1	405 016 2305 TR 2SC2878-B 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R		405 019 1 405 019 2 405 019 3 405 020 7	2708 TR 2SC536-F-NP 8804 TR 2SC536-G-NP
	405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S	0061	405 020 7 405 020 7 405 018 2	7709 TR 2SC945A-QA 7907 TR 2SC945A-RA 2501 TR 2SC3399
	405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP	Q062 Q063	405 018 2 405 011 7 405 011 7 405 011 7	7305 TR 2SC1740-Q 7404 TR 2SC1740-R 7503 TR 2SC1740-S
	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA		405 011 8 405 011 8 405 011 8	3401 TR 2SC1740S-Q 3500 TR 2SC1740S-R

Ref. No.	Part No.	Description	Ref.No.	Part No.	Desc	ription
•	405 012 2002 405 012 2101 405 012 2309 405 019 1909	TR 2SC1815-0 TR 2SC1815-Y TR 2SC536-E-NP		405 019 : 405 019 : 405 020 : 405 020 : 405 020 :	3804 TR 2 7501 TR 2 7709 TR 2	2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA
	405 019 2708 405 019 3804 405 020 7501 405 020 7709	TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA	.01A1	405 011 405 011 405 011	7305 TR 2 7404 TR 2 7503 TR 2	2SC945A-RA 2SC1740-0 2SC1740-R 2SC1740-S
<b>Q</b> 069	405 020 7907 405 011 7305 405 011 7404 405 011 7503	TR 2SC1740-Q TR 2SC1740-R		405 011 405 011 405 011 405 012	8500 TR :	2SC1740S-0 2SC1740S-R 2SC1740S-S 2SC1815-GR
	405 011 8401 405 011 8500 405 011 8609	TR 2SC1740S-Q TR 2SC1740S-R TR 2SC1740S-S TR 2SC1815-GR		405 012 405 012 405 019 405 019 405 019	2101 TR : 2309 TR : 1909 TR : 2708 TR :	2SC1815-0 2SC1815-0 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP
	405 012 2309 405 019 1909 405 019 2708	TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-F-NP TR 2SC536-G-NP	Q1F1	405 020 405 020 405 020 405 011 405 011	7501 TR : 7709 TR : 7907 TR : 7305 TR :	2SC945A-PA 2SC945A-0A 2SC945A-RA 2SC1740-Q 2SC1740-R
Q081	405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503	TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R		405 011 405 011 405 011 405 011 405 012	7503 TR : 8401 TR : 8500 TR : 8609 TR :	2SC1740-S 2SC1740S-0 2SC1740S-R 2SC1740S-S
	405 012 2002 405 012 2101 405 012 2309 405 019 1909	TR 2SC1815-GR TR 2SC1815-0 TR 2SC1815-Y		405 012 405 012 405 019 405 019 405 019	2101 TR : 2309 TR : 1909 TR : 2708 TR :	2SC1815-GR 2SC1815-0 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP
0082	405 019 3804 405 020 7501 405 020 7709 405 020 7907	TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA	Q1F2	405 020 405 020 405 020 405 018	7501 TR : 7709 TR : 7907 TR : 2501 TR :	2SC945A-PA 2SC945A-QA 2SC945A-RA 2SC3399
Q082	405 011 7305 405 011 7404 405 011 7503 405 012 2002 405 012 2101 405 012 2309 405 019 1909	TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-0 TR 2SC1815-Y TR 2SC536-E-NP	Q1F3	405 011 405 011 405 011 405 011 405 011 405 011 405 012	7404 TR : 7503 TR : 8401 TR : 8500 TR : 8609 TR : 2002 TR :	2SC1740-0 2SC1740-R 2SC1740-S 2SC1740S-0 2SC1740S-R 2SC1740S-S 2SC1815-GR
	405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907	TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-QA TR 2SC945A-RA		405 012 405 012 405 019 405 019 405 019	2309 TR : 1909 TR : 2708 TR : 3804 TR :	2SC1815-0 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP
Q083	405 011 7305 405 011 7404 405 011 7503 405 012 2002 405 012 2101	TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-0	Q1F4	405 020 405 020 405 020 405 011 405 011	7709 TR 2 7907 TR 2 7305 TR 2 7404 TR 2	2SC945A-PA 2SC945A-QA 2SC945A-RA 2SC1740-Q 2SC1740-R
	405 012 2309 405 019 1909 405 019 2708 405 019 3804 405 020 7501	TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA		405 011 405 011 405 011 405 011 405 012 2	7503 TR 2 8401 TR 2 8500 TR 2 8609 TR 2 2002 TR 2	2SC1740-S 2SC1740S-Q 2SC1740S-R 2SC1740S-S 2SC1815-GR
Q084	405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503	TR 2SC945A-RA TR 2SC1740-0 TR 2SC1740-R TR 2SC1740-S		405 012 2 405 012 2 405 019 2 405 019 3	2309 TR 2 1909 TR 2 2708 TR 2 3804 TR 2	2SC1815-0 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP
	405 011 8401 405 011 8500 405 011 8609 405 012 2002 405 012 2101 405 012 2309	TR 2SC1740S-R TR 2SC1740S-S TR 2SC1815-GR TR 2SC1815-0 TR 2SC1815-Y	Q1F5	405 020 7 405 020 7 405 020 7 406 000 6 405 001 7 405 001 7	7501 TR 2 7709 TR 2 7907 TR 2 5804 TR 2 7407 TR 2 7605 TR 2	2SC945A-PA 2SC945A-QA 2SC945A-RA 2SA1015-GR(SAN) 2SA1015-O(SAN) 2SA1015-Y(SAN)
	405 019 1909	TR 2SC536-E-NP		405 004 3	או פטונ 11.2	SA564A-Q(CU)

Ref. No.	Part No. Description	Ref.No.	Part No.	Description
0131 0132 0151	405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 006 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 006 1806 TR 2SA933S-R 405 018 2501 TR 2SC3399 405 018 2501 TR 2SC3399 406 000 6804 TR 2SA1015-GR(SAN) 405 001 7605 TR 2SA1015-O(SAN) 405 001 7605 TR 2SA1015-Y(SAN) 405 004 3109 TR 2SA564A-Q(CU) 405 004 3208 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-E-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R	Q173	405 012 20 405 012 22 405 019 19 405 019 22 405 019 33 405 020 7 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8 405 012 2 405 012 2	101 TR 2SC1815-0 309 TR 2SC1815-Y 909 TR 2SC536-E-NP 708 TR 2SC536-F-NP 804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA 907 TR 2SC945A-RA 305 TR 2SC1740-Q 404 TR 2SC1740-R 503 TR 2SC1740-S 401 TR 2SC1740S-R 609 TR 2SC1740S-R 609 TR 2SC1740S-S 002 TR 2SC1815-GR 101 TR 2SC1815-O
0152	405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-Q 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 3804 TR 2SC536-G-NP	Q174	405 019 1 405 019 2 405 020 7 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8 405 012 2 405 012 2	909 TR 2SC536-E-NP 1708 TR 2SC536-F-NP 1804 TR 2SC536-G-NP 1501 TR 2SC945A-PA 1709 TR 2SC945A-QA 1907 TR 2SC945A-RA 1907 TR 2SC1740-Q 1404 TR 2SC1740-R 1503 TR 2SC1740-S 1401 TR 2SC1740S-Q 1500 TR 2SC1740S-R 1500 TR 2SC1740S-R 1500 TR 2SC1740S-S 1500 TR 2SC1815-GR 1501 TR 2SC1815-O
	405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-Q 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA	Q175	405 012 2 405 019 1 405 019 3 405 020 7 405 020 7 405 021 7 405 011 7 405 011 8 405 011 8 405 011 8 405 012 2 405 012 2 405 012 2 405 012 2	1909 TR 2SC536-E-NP 1804 TR 2SC536-F-NP 1804 TR 2SC536-G-NP 1801 TR 2SC945A-PA 1807 TR 2SC945A-QA 1807 TR 2SC945A-QA 1807 TR 2SC1740-Q 1807 TR 2SC1740-R 1808 TR 2SC1740-S 1800 TR 2SC1740S-Q 1800 TR 2SC1740S-R 1800 TR 2SC1740S-R 1800 TR 2SC1740S-R 1800 TR 2SC1740S-R 1800 TR 2SC1815-GR 1801 TR 2SC1815-GR
0171	405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-0 405 011 7404 TR 2SC1740-S 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-0 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-V 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP	Q176	405 019 1 405 019 2 405 020 7 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8	1909 TR 2SC536-E-NP 19708 TR 2SC536-F-NP 18804 TR 2SC536-G-NP 1501 TR 2SC945A-PA 1709 TR 2SC945A-RA 1707 TR 2SC945A-RA 1707 TR 2SC1740-Q 1704 TR 2SC1740-R 1703 TR 2SC1740-S 1801 TR 2SC1740S 1801 TR 2SC1740S-R 1809 TR 2SC1740S-S
0172	405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S	Q177	405 012 2 405 012 2 405 019 1 405 019 2 405 019 3 405 020 7 405 020 7 405 020 7 405 021 7	2101 TR 2SC1815-0 2309 TR 2SC1815-Y 909 TR 2SC536-E-NP 2708 TR 2SC536-F-NP 3804 TR 2SC536-G-NP 2501 TR 2SC945A-PA 2709 TR 2SC945A-QA 2907 TR 2SC945A-RA

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 011 7404			405 011 85	
	405 011 7503 405 011 8401	TR 2SC1740-S TR 2SC1740S-Q		405 011 86 405 012 20	
	405 011 8500			405 012 21	
	405 011 8609	TR 2SC1740S-S		405 012 23	309 TR 2SC1815-Y
	405 012 2002			405 019 19 405 019 27	009 TR 2SC536-E-NP 708 TR 2SC536-F-NP
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 019 38	
	405 019 1909	TR 2SC536-E-NP		405 020 75	501 TR 2SC945A-PA
i	405 019 2708			405 020 77	
	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA	Q801	405 020 79 405 018 28	
	405 020 7709	TR 2SC945A-QA	Q802	405 018 28	308 TR 2SC3402
0170	405 020 7907 406 000 6804	TR 2SC945A-RA	Q803 Q804	405 018 28 405 018 28	308 TR 2SC3402 308 TR 2SC3402
0179	405 001 7407		Q805	405 018 28	308 TR 2SC3402
	405 001 7605	TR 2SA1015-Y(SAN)	Q806	405 018 28	308 TR 2SC3402
	405 004 3109	TR 2SA564A-Q(CU)	Q821	405 023 49	
	405 004 3208 405 004 4205			405 023 50 405 023 53	
	405 004 4809	TR 2SA608-F-CTV-NP	Q824	405 011 73	305 TR 2SC1740-Q
	405 006 1103			405 011 74 405 011 75	
	405 006 1202 405 006 1707	? TR 2SA933-R 7 TR 2SA933S-Q		405 011 84	
	405 006 1806	S TR 2SA933S-R		405 011 85	500 TR 2SC1740S-R
Q181	406 000 6804			405 011 86 405 012 20	
}	405 001 7407 405 001 7605			405 012 20	101 TR 2SC1815-0
	405 004 3109	TR 2SA564A-Q(CU)		405 012 23	309 TR 2SC1815-Y
	405 004 3208			405 019 19 405 019 27	
	405 004 4205 405 004 4809			405 019 28	
	405 006 1103	3 TR 2SA933-Q		405 020 75	501 TR 2SC945A-PA
	405 006 1202			405 020 75 405 020 79	
	405 006 1707 405 006 1806		Q829	405 018 28	
Q182	405 011 7305	5 TR 2SC1740-Q	Q831	405 018 2	501 TR 2SC3399
	405 011 7404 405 011 7503	4 TR 2SC1740-R 3 TR 2SC1740-S	Q842	405 011 73 405 011 74	
	405 011 7503	TR 2501740-5		405 011 7	503 TR 2SC1740-S
	405 011 8500	) TR 2SC1740S-R		405 011 84	401 TR 2SC1740S-Q
	405 011 8609 405 012 2002			405 011 89 405 011 86	
	405 012 2101			405 012 20	002 TR 2SC1815-GR
	405 012 2309	9 TR 2SC1815-Y		405 012 2	
	405 019 1909 405 019 2708			405 012 23 405 019 19	
	405 019 3804	4 TR 2SC536-G-NP		405 019 27	708 TR 2SC536-F-NP
	405 020 7501	TR 2SC945A-PA		405 019 38	804 TR 2SC536-G-NP
	405 020 7709 405 020 7907			405 020 75 405 020 75	
Q183	405 011 7305	5 TR 2SC1740-Q		405 020 79	
	405 011 7404	4 TR 2SC1740-R	Q843	405 011 73	
	405 011 7503 405 011 840			405 011 74 405 011 75	
	405 011 8500	TR 2SC1740S-R		405 011 84	401 TR 2SC1740S-Q
	405 011 8609	9 TR 2SC1740S-S		405 011 85	500 TR 2SC1740S-R
	405 012 2002 405 012 210			405 011 86 405 012 20	
	405 012 2309	9 TR 2SC1815-Y		405 012 2	101 TR 2SC1815-0
	405 019 1909	9 TR 2SC536-E-NP		405 012 23 405 019 19	309 TR 2SC1815-Y
	405 019 2708 405 019 3804	B TR 2SC536-F-NP 4 TR 2SC536-G-NP		405 019 13	
	405 020 750	1 TR 2SC945A-PA		405 019 38	304 TR 2SC536-G-NP
	405 020 7709	9 TR 2SC945A-QA		405 020 75	
Q184	405 020 790 405 011 730	7 TR 2SC945A-RA 5 TR 2SC1740-Q		405 020 77 405 020 79	
4,04	405 011 7404	4 TR 2SC1740-R	0844	405 011 73	305 TR 2SC1740-Q
	405 011 7503	3 TR 2SC1740-S		405 011 74 405 011 75	
	405 011 840	1 TR 2SC1740S-Q		400 011 /3	503 TR 2SC1740-S
L			L		

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description		
	405 011 8401	TR 2SC1740S-Q	C0C1	403 069 8	305 CERAMIC	0. 01U Z	50V
	405 011 8500	TR 2SC1740S-R	COGI	403 041 8	804 ELECT	10U M	16V
	405 011 8609	TR 2SC1740S-S	COG2	403 041 8		10U M 100U M	16V 16V
	405 012 2002	TR 2SC1815-GR	COG5 COM1	403 042 2 403 044 1		470U M	167
	405 012 2101 405 019 1909	TR 2SC1815-0 TR 2SC536-E-NP	C001	403 041 8	804 ELECT	10U M	160
	405 019 1909	TR 2SC536-F-NP	C002	403 041 8	804 ELECT	10U M	16V
	405 019 3804	TR 2SC536-G-NP	C003	403 041 8	804 ELECT	10U M	16V
	405 020 7501	TR 2SC945A-PA	C004	403 041 8 403 041 8	804 ELECT 804 ELECT	10U M 10U M	16V 16V
	405 020 7709	TR 2SC945A-QA TR 2SC945A-RA	C005 C006	403 041 8	8804 ELECT	100 M	16V
Q847	405 020 7907 405 018 2808	TR 2SC3402	C007	403 043 9	106 ELECT	47U M	16V
Q848	405 018 2808	TR 2SC3402	C008	403 043 9	1106 ELECT	47U M	16V
Q861	405 018 2501	TR 2SC3399	C009	403 043 9		47U M 47U M	16V 16V
Q871	405 011 7305	TR 2SC1740-Q TR 2SC1740-R	C010 C015	403 043 9 403 041 8	3804 ELECT	10U M	167
	405 011 7404 405 011 7503	TR 2SC1740-N	C016	403 041 8	8804 ELECT	10U M	167
1	405 011 8401	TR 2SC1740S-Q	C019	403 085 6	804 NP-ELECT	47U M	16V
	405 011 8500	TR 2SC1740S-R	C021	403 042 2 403 069 8	2405 ELECT 3305 CERAMIC	100U M 0.01U Z	16V 50V
	405 011 8609	TR 2SC1740S-S	C024 C025	403 069 8		0. 010 Z	507
	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0	C026	403 042 2		100U M	167
	405 012 2309	TR 2SC1815-Y	C031	403 026 1	1103 CERAMIC	47P J	50Y
	405 019 1909	TR 2SC536-E-NP	C032	403 022 6	S300 CERAMIC	33P J 100P K	50Y 50Y
	405 019 2708	TR 2SC536-F-NP	C036 C037	403 068 9 403 071 5	0006 CERAMIC 5606 CERAMIC	220P K	507 507
1	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA	C040	403 069 8		0. 01U Z	50Y
•	405 020 7709		C041	403 033 3	3602 CERAMIC	82P J	50Y
Ì	405 020 7907	TR 2SC945A-RA	C042	403 009 3		100P J	50Y
0872	405 011 7305	TR 2SC1740-Q	C043 C044	403 043 9 403 069 8	9106 ELECT 8305 CERAMIC	47U M 0. 01U Z	167 507
	405 011 7404 405 011 7503	TR 2SC1740-R TR 2SC1740-S	C045	403 085 6		47U M	16¥
	405 011 8401	TR 25C1740 5	C046	403 042 2	2405 ELECT	100U M	16∀
İ	405 011 8500	TR 2SC1740S-R	C047	403 069 8	8305 CERAMIC	0.01U Z	50¥
	405 011 8609	TR 2SC1740S-S	C048 C049	403 009 3 403 020 5	3407 CERAMIC 5008 CERAMIC	100P J 270P J	50V 50V
i	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0	C051	403 043 9		47U M	167
	405 012 2309	TR 25C1015-0	C052	403 043 9	9106 ELECT	47U M	167
	405 019 1909	TR 2SC536-E-NP	C053	403 028 2	2009 CERAMIC	56P J	50Y
	405 019 2708	TR 2SC536-F-NP	C054	403 014 8 403 069 8	8008 CERAMIC 8305 CERAMIC	180P J 0.01U Z	50Y 50Y
	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA	C055 C056	403 069 8		0. 010 Z	50Y
	405 020 7709	TR 2SC945A-QA	C057	403 026	1103 CERAMIC	47P J	507
	405 020 7907	TR 2SC945A-RA	C058	403 013	1901 CERAMIC	150P J	50Y
	ATEN ALDOUIS	=	C059	403 069 8		0.01U Z	50V 16V
	ATED CIRCUIT	10 147055	C060 C062	403 043 ( 403 043 (		330U M 47U M	16/
10001 10002	409 119 3702 410 067 3201	P IC LA7955 IC TEA2014A	C063	403 085 (	6804 NP-ELECT	47U M	16V
10041	409 146 7209	) IC LA7222	C064	403 043 9	9106 ELECT	47U M	167
10051	409 132 7909	1C MC14053BCP	C065	403 069 8	8305 CERAMIC	0.01U Z 47U M	50% 16%
	409 051 3006 409 059 2407	6 IC TC4053BP 7 IC UPD4053BC	C066 C067	403 043 9 403 042 9	9106 ELECT 2405 ELECT	100U M	16/
10052	409 221 1306	5 1C HCF0222	C068	403 069	8305 CERAMIC	0. 01U Z	50V
10052	409 146 7209	) IC LA7222	C069	403 042 3	2405 ELECT	100U M	167
10091	409 073 1509	) IC AN5265	C081	403 085	4008 NP-ELECT	10U M	16ľ
IC1A1	409 195 4501	C TDA2579A/N8 	C082 C083	403 085 4 403 062 5		10U M 5600P K	16) 50)
	410 036 7209 410 047 9803	B IC TDA2579/N6 B IC TDA2579A/N7	L003	403 062 !	5707 POLYESTER	5600P K	50I
IC1K1	410 039 1709	O 1C SN74LS123N	C084	403 086	2607 NP-ELECT	1U M	50/
	410 039 1709 409 042 6900	) IC SN74LS123N	C085	403 042	2405 ELECT	100U M	16
IC101	410 039 7008	3 IC TDA4555/V8	C086	403 049 ( 403 049 (		1U M 1U M	50  50
10102	409 185 8908 410 115 6604	3 IC TDA4580/N4 4 IC M37102M8-820SP	C087 C088	403 049 4		10U M	50/ 50/
10801 10802	409 032 3803		C089	403 049	4204 ELECT	10U M	50∜
10803	409 199 5306	S IC M6M80011AP	C090	403 062	0306 POLYESTER		50∜
10804	409 160 0507	7 IC UPD6326C	0001	403 062			50∤ 25⊩
10851	409 114 4803 409 114 4803	3 IC LB1641 3 IC LB1641	C091 C092	403 047 9 403 045	5005 ELECT 1504 ELECT	470U M 1000U M	25∤ 25∤
10852	409 114 4003	7 10 EDIO+1	C1A1	403 059 !	5901 POLYESTER	0.022U K	50¦
CAPAC	TOR			403 059	6700 POLYESTER	0. 022U K	50

Ref. No.	Part No.	Description		Ref.No.	Part No.	Description		
	<u> </u>		FOV			<u> </u>	1000 11	101/
C1A2 C1A3	403 067 6501 403 085 4008	MT-COMPO 0.18U J NP-ELECT 10U M	50V 16V	C172 C805	403 042 2 403 057 0		100U M 0.01U K	16V 50V
C1A4	403 070 3801	CERAMIC 120P K	50V		403 057 1	004 POLYESTER	0.01U K	50V
C1A5	403 049 9803 403 042 7707	ELECT 2. 2U M ELECT 22U M	50V 16V	C827 C828	403 069 8 403 041 4		0.01U Z 470U M	50V 10V
C1A6 C1A7	403 042 7707	ELECT 10U M	16V	C829	403 014 0		18P J	507
C1A9	403 067 6204	MT-COMPO 0.15U J	50V	C831	403 014 0	705 CERAMIC	18P J	50V
C1J1	403 067 6204	MT-COMPO 0.15U J	50V 50V	C832 C834	403 067 5		0.1U J	50V
C1 J2 C1 J3	403 069 8305 403 042 7707	CERAMIC 0.01U Z ELECT 22U M	16V	C835	403 069 8 403 067 6		0. 01U Z 0. 22U J	50V 50V
C1J4	403 081 2800	POLYPRO 2200P J	100V	C836	403 067 5	603 MT-COMPO	0.1U J	50V
C1 J5	403 067 5603	MT-COMPO 0.1U J ELECT 100U M	50V 16V	C838 C839	403 067 6 403 067 5		0. 22U J	50V
C1J6 C1J7	403 042 2405 403 074 2602	CERAMIC 0.047U Z	50V	C841	403 040 3		0.1U J 220U M	50V 10V
C1J8	403 043 9106	ELECT 47U M	16V	C851	403 069 8	3305 CERAMIC	0.01U Z	50V
C1K1	403 056 7106 403 056 7700	POLYESTER 1000P J POLYESTER 1000P J	50V 50V	C852 C853	403 069 8 403 044 1		0.01U Z 470U M	50V 16V
C1K2	403 059 2801	POLYESTER 2200P J	50V	C855	403 069 8	3305 CERAMIC	0.01U Z	500
	403 059 3402	POLYESTER 2200P J	50V	C856	403 069 8	3305 CERAMIC	0. 01U Z	50V
C1K3 C111	403 041 2109 403 071 1707	ELECT 47U M CERAMIC 180P K	10V 50V	C857 C858	403 043 0 403 044 1		220U M 470U M	16V 16V
C111	403 030 5401	CERAMIC 68P J	50V	C872	403 072 7	7708 CERAMIC	330P K	500
C113	403 014 8008	CERAMIC 180P J	50V	C873	403 072 7		330P K	50V
C114 C116	403 017 7701 403 071 5606	CERAMIC 22P J CERAMIC 220P K	50V 50V	C881 C882	403 043 0 403 040 9		220U M 330U M	16V 10V
C117	403 017 7701	CERAMIC 22P J	50V	C883	403 043 0		220U M	167
C118	403 030 5401 403 014 8008	CERAMIC 68P J CERAMIC 180P J	50V 50V	RESIST	FR			
C119 C120	403 014 8008	CERAMIC 0.01U Z	50V 50V	RB801	610 225 7	366 R BLOCK		
C121	403 014 8008	CERAMIC 180P J	50V	RB802	610 225 7	366 R BLOCK		
C122 C123	403 069 8305 403 067 5603	CERAMIC 0.01U Z MT-COMPO 0.1U J	50V 50V	RB803 ROC1	610 225 7 401 024 6		100 JA	/6W
C123	403 072 2604	CERAMIC 0.022U Z	50V	ROC2	401 024 7		1K JA	/6W
C125	403 042 2405	ELECT 100U M	16V	ROC3	401 024 7		10K JA	
C126 C127	403 043 6006 403 069 8305	ELECT 330U M CERAMIC 0.01U Z	16V 50V	ROC4 ROC5	401 028 0 401 024 7		9.1K JA 1 1K JA 1	/6W
C128	403 067 7300	MT-COMPO 0.33U J	50V	ROC6	401 025 1	605 CARBON	1.5K JA	/6W
C129	403 069 8305 403 067 7706	CERAMIC 0.01U Z MT-COMPO 0.047U J	50V 50V	ROC7 ROC8	401 026 9 401 027 8		470 JA 1 820 JA 1	/6W /6W
C131 C132	403 067 7300	MT-COMPO 0. 33U J	50V 50V	ROC9	401 027 0			/6₩
C133	403 072 2604	CERAMIC 0.022U Z	50V	R0E1	401 027 5	908 CARBON	68K JA 1	/6W
C134	403 060 8205 403 060 8809	POLYESTER 0.033U K POLYESTER 0.033U K	50V 50V	R0E2 R0E3	401 024 7 401 026 1		1K JA 1 27K JA 1	/6W
C135	403 069 8305	CERAMIC 0.01U Z	50V	ROG1	401 027 5		680 JA	
U136	403 069 8305	CERAMIC 0.01U Z	50V	ROG2	401 025 7	805 CARBON	2. 2K JA	
C137 C138	403 014 8008 403 030 5104	CERAMIC 180P J CERAMIC 68P J	50V 50V	ROG3 ROG4	401 024 6 401 024 7		100 JA 1 100K JA 1	
C139	403 069 8305	CERAMIC 0.01U Z	50V	R0G5	401 025 7	805 CARBON	2. 2K JA	/6W
C141	403 069 8305 403 069 8305	CERAMIC 0.01U Z CERAMIC 0.01U Z	50V 50V	ROG7 ROG8	401 024 7 401 024 6		100K JA	
C142 C143	403 069 8305	CERAMIC 0.010 Z	50V 50V	ROG9	401 024 0		100 JA   10K JA	
C144	403 067 6709	MT-COMPO 0.22U J	50V	R0H1	401 027 8	305 CARBON	820 JA	∕6₩
C145 C146	403 049 9803 403 049 9803	ELECT 2. 2U M ELECT 2. 2U M	50V 50V	ROH2 ROP1	401 027 8 401 027 0			/6W /6W
C146	403 072 2604	CERAMIC 0.022U Z	50V 50V	ROP2	401 027 0	309 CARBON		/6W
C148	403 072 2604	CERAMIC 0.022U Z	50V	ROP3	401 025 7	805 CARBON	2. 2K JA	∕6₩
C149 C151	403 049 9803 403 069 8305	ELECT 2. 2U M CERAMIC 0. 01U Z	50V 50V	R001 R002	401 027 0 401 027 0			/6W /6W
C152	403 069 8305	CERAMIC 0.01U Z	50V	R003	401 024 7	004 CARBON	1K JA	/16W
C153	403 069 8305	CERAMIC 0.01U Z	50V 50V	R004	401 022 6		75 JA 1	
C155 C156	403 071 1707 403 049 0008	CERAMIC 180P K ELECT 1U M	50V 50V	R005 R006	401 024 7 401 024 7		1K JA 1 1K JA 1	/6W
C157	403 067 6709	MT-COMPO 0. 22U J	50V	R007	401 024 7	004 CARBON	1K JA	/ <b>6</b> W
C158 C159	403 067 6709 403 067 6709	MT-COMPO 0. 22U J MT-COMPO 0. 22U J	50V 50V	R008 R009	401 027 0: 401 027 0:			/6\ /6\
C161	403 072 2604	CERAMIC 0.022U Z	50V	R010	401 027 03			/AW
C162	403 072 2604	CERAMIC 0.022U Z	50V	R011	401 026 96	600 CARBON	470 JA 1	/6W
C163 C166	403 072 2604 403 043 6006	CERAMIC 0.022U Z ELECT 330U M	50V 16V	R012 R014	401 026 96 401 024 74			/6W /6W
C167	403 069 8305	CERAMIC 0.01U Z	50V	R015		004 CARBON	1K JA 1	

Def N	Dest No.	Description		Ref.No.	Part No.	Description		· · · · · · · · · · · · · · · · · · ·
Ref. No.	Part No.	Description	•			1		
R016 R017	401 022 6801 401 024 7707		5 JA 1/4W K JA 1/6W	R1A4 R1A5	401 024 7 401 027 2			1/6W 1/6W
R018	401 024 7707		K JA 1/6W	R1 A6	401 024 9		12K JA	1/6W
R021	401 022 6801	CARBON 7	5 JA 1/4W	R1A7	401 027 5			1/6W
R022	401 022 6801		5 JA 1/4W	R1 A8	401 025 7		22 JA	1/6W
R023	401 024 7004		K JA 1/6W	R1A9 R1F0	401 027 8 401 027 0		820 JA 47K JA	1/6W 1/6W
R024 R025	401 024 7004 401 025 1605	CARBON 1 CARBON 1.5	K JA 1/6W SK JA 1/6W	R1F1	401 021 0			1/6W
R025	401 025 1605		5K JA 1/6W	R1F2	401 027 5			1/6W
R027	401 020 0801		70 JA 1/4W	R1F3	401 025 1	902 CARBON	15K JA	1/6W
R028	401 026 9303		17 JA 1/6W	R1F4	401 026 9			1/6W
R029	401 024 7400		OK JA 1/6W	R1F5 R1F6	401 026 7 401 027 5		3.9K JA 6.8K JA	1/6W 1/6W
R031	401 026 4605 401 026 4605		BK JA 1/6W BK JA 1/6W	R1F7	401 027 3		1K JA	1/6W
R032 R033	401 025 1605		5K JA 1/6W	R1F8	401 026 7		3. 9K JA	1/6W
R034	401 025 1605	CARBON 1.5	5K JA 1/6W	R1F9	401 027 0		47K JA	1/6W
R035	401 025 1605		5K JA 1/6W	R1 J1	401 009 5		330 JA	1/2W
R036	401 024 6700		00 JA 1/6W 00 JA 1/6W	R1 J4 R1 J5	401 026 7 401 026 4		39K JA 33K JA	1/6W 1/6W
R037 R041	401 024 6700 401 027 8305		00 JA 1/6W 20 JA 1/6W	R1 J6	401 026 4		33K JA	1/6W
R042	401 027 8305		20 JA 1/6W	R1J7	401 027 3		56K JA	1/6W
R043	401 026 9600	CARBON 47	70 JA 1/6W	R1J8	401 024 6		100 JA	1/6W
R044	401 024 6700		00 JA 1/6W	R1 J9	401 027 5		6.8K JA 27K JA	1/6W 1/6W
R045	401 024 7004 401 026 9303		1K JA 1/6W 47 JA 1/6W	R1K1 R1K2	401 026 1 401 025 8		27K JA 22K JA	1/6W
R046 R047	401 024 7004		1K JA 1/6W	R1K4	401 009 5		330 JA	1/2W
R048	401 026 9907	CARBON 4.	7K JA 1/6W	R101	401 024 7	7004 CARBON	1K JA	1/6W
R049	401 027 5502		8K JA 1/6W	R102	401 024 7		1K JA	1/6W
R051	401 024 7400		OK JA 1/6₩	R103 R112	401 024 7 401 025 1		1K JA 1.5K JA	1/6 <b>W</b> 1/6 <b>W</b>
R052 R053	401 025 1605 401 025 7805	CARBON 1.5 CARBON 2.5	5K JA 1/6W 2K JA 1/6W	R113	401 023		560 JA	1/6W
R054	401 023 7503		8K JA 1/6W	R114	401 027 8		820 JA	1/6W
R055	401 026 9600	CARBON 4	70 JA 1/6W	R115	401 027 2		560 JA	1/6 <b>W</b>
R056	401 026 3905		30 JA 1/6W	R116	401 025 7		220 JA	1/6W
R057 R058	401 025 7805 401 026 3905		2K JA 1/6W 30 JA 1/6W	R117 R118	401 024 9 401 026 6		1.2K JA 390 JA	1/6 <b>W</b> 1/6 <b>W</b>
R059	401 026 4605		3K JA 1/6W	R119		9600 CARBON	470 JA	1/{\ <b>W</b>
R060	401 024 7400	CARBON 1	OK JA 1/6W	R121	401 024	7400 CARBON	10K JA	1/6 <b>W</b>
R062	401 025 1605		5K JA 1/6W	R122	401 027 2		5. 6K JA	1/6W
R064	401 025 1605 401 024 7400		5K JA 1/6W OK JA 1/6W	R123 R124	401 027 3 401 027 0		560K JA 47K JA	1/6 <b>W</b> 1/6 <b>W</b>
R065 R066	401 024 7400 401 024 7400		OK JA 1/6W	R125	401 026		27K JA	1/6W
R067	401 027 0309	CARBON 4	7K JA 1/6W	R131	401 026 9	9907 CARBON	4. 7K JA	1/(W
R068	401 027 0309	CARBON 4	7K JA 1/6W	R133	401 024		10K JA	
R069	401 025 7805		2K JA 1/6W 15 JA   3W	R134 R136	401 024 1 401 026 4		10K JA 33K JA	1/6 <b>W</b>
R071 R072	401 071 0607 401 070 8000		12 JA 3W	R137	401 025 4	4606 CARBON	18K JA	1/6 <b>W</b>
R081	401 024 7707		OK JA 1/6W	R138	401 027 5		6.8K JA	1/6 <b>W</b>
R082	401 025 0004	L CARBON 12	OK JA 1/6W	R139	401 025 8		22K JA	1/( <b>W</b>
R083	401 024 7707		OK JA 1/6W	R141	401 025 1			1/6W
R084 R085	401 025 0004 401 027 3003		OK JA 1/6W 6K JA 1/6W	R1 42 R1 43	401 024 7 401 024 6		10K JA 100 JA	1/6 <b>W</b> 1/6 <b>W</b>
R086	401 027 2600	CARBON 5.	6K JA 1/6W	R144	401 024	7707 CARBON	100K JA	1/6 <b>W</b>
R087	401 027 3003	3 CARBON 5	6K JA 1/6W	R146	401 025 (	0004 CARBON	120K JA	1/₩
R088	401 027 2600	CARBON 5.	6K JA 1/6W	R147	401 027 2		5. 6K JA	1/{\\
R089	401 025 1902		5K JA 1/6W	R1 48 R1 49	401 027 2 401 027 5		5. 6K JA 680 JA	1/₩ 1/₩
R090 R091	401 027 8305 401 026 7002		20 JA 1/6W 9K JA 1/6W	R149	401 027 3			1/6W
R092	401 024 7400	CARBON 1	OK JA 1/6\	R152	401 026 4	1605 CARBON	33K JA	1/ <del>W</del>
R093	401 025 8208	3 CARBON 2	2K JA 1/6W	R153	401 025 1	605 CARBON	1.5K JA	1/W
R094	401 027 5205		80 JA 1/6W	R154	401 027 5			1/W 1/w
R095	401 024 7400 401 019 6302		OK JA 1/6W .7 JB 1/4W	R156 R157	401 027 5 401 025 1			1/6W 1/6W
R096 R097	401 027 2600		6K JA 1/6W	R158	401 024 7			1/eV
R098	401 024 7400	CARBON 1	OK JA 1/6W	R161	401 022 6	8801 CARBON	75 JA	1/4/
R099	401 026 6609	CARBON 3	90 JA 1/6W	R162	401 022 6	S801 CARBON		1/4/
R1 A0	401 027 2600		6K JA 1/6W OK JA 1/6W	R163 R164	401 022 6 401 022 6			1/4/ 1/4/
R1 A1 R1 A2	401 024 7707 401 024 7400		OK JA 1/6W OK JA 1/6W	R165	401 022 6			1/67
R1A3	401 027 0507		OK JA 1/6W	R166	401 024 6		100 JA	
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D. ( ):	Dam No	Description	and the second s	Dof No.	Down No.	$\overline{}$	Docerintian		
Ref. No.	Part No.	Description		Ref.No.	Part No.		Description		
R167 R171	401 024 6700 401 027 5205	CARBON 100 JA CARBON 680 JA		R842 R843	401 026 401 027		CARBON CARBON	4. 7K JA 5. 6K JA	1/6W 1/6W
R173	401 027 5205	CARBON 680 JA	1/6W	R844	401 026	9907	CARBON	4.7K JA	1/6W
R175	401 027 5205	CARBON 680 JA		R845	401 025		CARBON		1/6W
R177	401 026 9907	CARBON 4. 7K JA CARBON 8. 2K JA		R847 R848	401 024 401 024		CARBON CARBON		1/6W 1/6W
R1 81 R1 82	401 027 8602 401 027 2303	CARBON 8.2K JA CARBON 560 JA	1/6W	R851	401 024		CARBON	3. 3K JA	1/6W
R1 83	401 024 6700	CARBON 100 JA		R852	401 026		CARBON	3. 3K JA	1/6W
R184	401 026 4605	CARBON 33K JA		R853	401 024		CARBON		1/6W
R185	401 026 7002			R854 R855	401 016 401 026		CARBON CARBON	27 JA 3. 3K JA	1/4W 1/6W
R186 R187	401 026 1307 401 026 4605	CARBON 27K JA CARBON 33K JA		R856	401 026		CARBON		1/6W
R188	401 027 2600	CARBON 5. 6K JA		R857	401 024	7004	CARBON	1K JA	
R192	401 024 7400	CARBON 10K JA		R858	401 016		CARBON		1/4W
R8F2	401 027 8602			R861 R871	401 025 401 027		CARBON CARBON	220K JA 5.6K JA	1/6W 1/6W
R8F6 R8H1	401 027 8602 401 026 1000	CARBON 8. 2K JA CARBON 2. 7K JA	1/6W	R872	401 027		CARBON		1/6\\
R8H2	401 026 9907			R873	401 025		CARBON	2.2K JA	1/6W
R8H3	401 025 1605			R875	401 024		CARBON		1/6W
R8H4	401 024 7400			R876	401 024		CARBON		1/6W
R8H5 R8H6	401 026 7002 401 027 5502	CARBON 3. 9K J/ CARBON 6. 8K J/	1/6W 1/6W	R881 R882	401 016 401 027	5205	CARBON CARBON		1/4W 1/6W
R8K2	401 026 4605	CARBON 33K J	1/6W	R891	401 024	6700	CARBON	100 JA	1/6W
R8K4	401 024 7400	CARBON 10K JA		R892	401 024		CARBON		1/6W
R8K5	401 024 7400 401 025 8208	CARBON 10K J/ CARBON 22K J/		R893 R894	401 024 401 024	8302	CARBON CARBON	1. 2K JA 1. 2K JA	1/6\ 1/6\
R8K6 R8L1	401 025 8208							1. ZN JA	1/ 0 11
R8L2	401 027 2600	CARBON 5. 6K J	1/6W	VARIAB			CONDENSER		
R8L3	401 024 7400	CARBON 10K J	1/6W	VC131			TRIMMER COND		
R8L4 R8L5	401 027 2600 401 026 4605		\ 1/6₩ \ 1/6₩	VC132 VR1J1	610 003 610 019	4060	TRIMMER CON VR B-10K	DENSER	
R8L6	401 020 4003		1/6W	VR121	610 019		VR B-200		
R8M4	401 024 7004	CARBON 1K J	1/6W	VR151	610 019	4069	VR B-10K		
R801	401 024 7004	CARBON 1K J	1/6W	VR803	610 019	4045	VR B-3K		
R802 R803	401 024 7400 401 024 7400			TRANSF	ORMER				
R804	401 024 7400	CARBON 10K J		T041	610 037		S COIL		
R805	401 024 7004			T111	610 037		S COIL		
R806	401 024 7400 401 024 7400			T112 T121	610 037 610 037		S COIL S COIL		
R807 R808	401 024 7400			T131	610 037		S COIL		
R810	401 024 6700	CARBON 100 J	\ 1/6₩						
R811	401 024 6700			COIL	C10 000	C 4 C C	DEAKING COL		
R812 R813	401 024 6700 401 024 6700		A 1/6W A 1/6W	L031 L041	610 029 610 029	5728	PEAKING COI PEAKING COI		
R814	401 024 6700			L042	610 029	5582	PEAKING COI		
R815	401 024 6700	CARBON 100 J	\ 1/6W	L052	610 029		PEAKING COI	L 8.2UH J	
R816	401 024 6700			L053	610 029		PEAKING COL	L 5.6UH J	
R817 R820	401 024 6700 401 025 7409			L062 L063	610 030 610 029		DELAY LINE PEAKING COI	L 8.2UH K	
R821	401 025 1605	CARBON 1.5K J	1/6W	L065	610 224	3864	DELAY LINE	_ 5.25// //	
R822	401 025 1605	CARBON 1.5K J	\ 1/6₩	L081	610 029	5926	PEAKING COI		
R823	401 025 1605 401 025 1605			L121 L122	610 029 610 220		PEAKING COI DELAY LINE	L 8.20H K	
R824 R825	401 025 1605			L122			PEAKING COL	L 33UH K	
R826	401 024 9701	CARBON 12K J	\ 1/6\						
R827	401 025 4606	CARBON 18K J		DIODE	407 407	0.400	TENED DIOCE	00000 01	10
R828 R829	401 024 6700 401 024 6700		A 1/6W A 1/6W	DB801 D061	407 137 407 007		ZENER DIODE DIODE GMAO1	82025-01	19
R830	401 024 0700			1 2001	407 012		DIODE 1SS13	3	
R831	401 024 7004	CARBON 1K J	1/6W		407 012	5809	DIODE 1SS17	6	
R832	401 024 6700			D0G2	407 007 407 012		DIODE GMAO1		
R833 R834	401 025 1902 401 024 7400		A 1/6W A 1/6W		407 012		D10DE 1SS13 D10DE 1SS17		
R835	401 027 2600	CARBON 5.6K J	1/6W	D002	407 075	9905	ZENER DIODE		A
R836	401 027 5908	CARBON 68K J	1/6W	D003	407 075	9905	ZENER DIODE		
R837 R838	401 024 7400 401 026 9907		1/6W 1/6W	D004 D031	407 075 407 007		ZENER DIODE DIODE GMAO1	EUA03-11	A
R839	401 026 9907			5031	407 007		DIODE 1SS13	3	
R841	401 027 2600				407 012				

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
D091	407 048 4906	ZENER DIODE EQAO2-09A		407 012 5	
DIAI	407 007 9904	DIODE GMA01	D812	407 007 99 407 012 4	
ļ	407 012 4406 407 012 5809	DIODE 1SS133 DIODE 1SS176		407 012 5	
D1K1	407 048 0908	ZENER DIODE EQAO2-05C	D817	407 005 4	505 DIODE DS442X
D133	407 007 9904	DIODE GMA01		407 012 4	
	407 012 4406	DIODE 188133		407 012 5 407 013 1	
D134	407 012 5809 407 007 9904	DIODE 1SS176 DIODE GMAO1		407 013 4	
0134	407 012 4406	DIODE 1SS133		407 013 7	109 DIODE 1S2473
	407 012 5809	DIODE 1SS176	D821	407 005 4	
D135	407 007 9904	DIODE GMA01 DIODE 1SS133		408 008 2 407 013 1	
	407 012 4406 407 012 5809	DIODE 153135 DIODE 155176		407 013 4	
D136	407 007 9904			407 013 7	109 DIODE 1S2473
	407 012 4406	DIODE 188133	D822	407 005 4	
	407 012 5809	DIODE 1SS176		408 008 2 407 013 1	
D151	407 005 4505 407 012 4406	DIODE DS442X DIODE 1SS133		407 013 4	
}	407 012 5809	DIODE 1SS176		407 013 7	
	407 013 1206	DIODE 181555	D823	407 005 4	
Ì	407 013 4207 407 013 7109	DIODE 1S2076 DIODE 1S2473		408 008 2 407 013 1	
D152	407 015 7105	DIODE DS442X		407 013 4	207 DIODE 1S2076
0102	407 012 4406			407 013 7	
	407 012 5809	DIODE 1SS176	D824	407 005 4 408 008 2	
	407 013 1206 407 013 4207	DIODE 1S1555 DIODE 1S2076		400 000 2	206 D10DE 181555
	407 013 4207	DIODE 152473		407 013 4	
D153	407 005 4505	DIODE DS442X		407 013 7	
	407 012 4406	DIODE 188133	D825 D831	407 048 0 407 048 2	
	407 012 5809 407 013 1206		D833	408 008 2	
	407 013 1200		5000	407 013 1	
	407 013 7109	DIODE 1S2473		407 013 4	
D154	407 007 9904		D834	407 013 6 407 007 9	S508 DIODE 1S2471 1904 DIODE GMA01
	407 012 4406 407 012 5809		0004	407 012 4	
D156	407 007 9904			407 012 5	5809 DIODE 1SS176
	407 012 4406	DIODE 1SS133	D835	407 007 9	
2150	407 012 5809	DIODE 1SS176		407 012 4 407 012 5	1406 DIODE 1SS133 5809 DIODE 1SS176
D158	407 007 9904 407 012 4406	I DIODE GMAO1 5 DIODE 1SS133	D837	407 007 9	19904 DIODE GMA01
ĺ	407 012 5809			407 012 4	1406 DIODE 1SS133
D181	407 005 4505	DIODE DS442X	2051		5809 DIODE 1SS176
	407 012 4406 407 012 5809	5 DIODE 1SS133 9 DIODE 1SS176	D851 D852		202 ZENER DIODE EQAO2-05E 202 ZENER DIODE EQAO2-05E
	407 013 1206				ELIEN BYODE EGIOL OUT
	407 013 4207	7 DIODE 1S2076		LLANEUS	DOOT TUEDLUGTOD OUT OFFICE OTV
2000	407 013 7109	9 DIODE 1S2473	TH801 10803		0207 THERMISTOR SDT-250S-CTV 7099 IC SOCKET
D800	407 007 9904 407 012 4406	4 DIODE GMAO1 5 DIODE 1SS133	X052	610 226 6	5894 CERAMIC TRAP
	407 012 5809	DIODE 1SS176	X131	610 012 1	1850 CRYSTAL OSCILLATOR
D801	407 007 9904	4 DIODE GMAO1	V100	610 012 2	
	407 012 4406 407 012 5809	6 DIODE 188133 9 DIODE 188176	X132 X801	610 012 2 610 012 2	2758 CRYSTAL OSCILLATOR 2857 CERAMIC OSCILLATOR
D802	407 075 9905		1		
D803	407 075 9905	5 ZENER DIODE EQAO3-11A	610,2		W & LC DRIVE PCB ASSY E4ZA
D804	407 075 990	5 ZENER DIODE EQAO3-11A	UE241	1	
D805	407 075 9905 407 075 9905	5 ZENER DIODE EQAO3-11A 5 ZENER DIODE EQAO3-11A	TRANS	ISTER	
D806 D807	407 007 990	4 DIODE GMAO1	0221	405 011 7	7305 TR 2SC1740-Q
""	407 012 4408	6 DIODE 1SS133		405 011	7404 TR 2SC1740-R
	407 012 5809	9 DIODE 188176		405 011 7	7503 TR 2SC1740-S
B080	407 007 9904 407 012 4400	4 DIODE GMA01 5 DIODE 1SS133		405 012 2 405 012 2	
	407 012 4400		1	405 012 2	2309 TR 2SC1815-Y
D809	407 075 990	5 ZENER DIODE EQAO3-11A		405 019 1	1909 TR 2SC536-E-NP
D811	407 007 9904	4 DIODE GMA01		405 019 2	2708 TR 2SC536-F-NP 3804 TR 2SC536-G-NP
	407 012 4406	5 DIODE 1SS133		400 019 3	0004 H1 200000"U"III
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Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 020 7501	TR 2SC945A-PA		405 019 380	
	405 020 7709 405 020 7907	TR 2SC945A-QA TR 2SC945A-RA		405 020 750 405 020 770	
02303	405 011 7305			405 020 790	
	405 011 7404		02314	405 011 730	
	405 011 7503 405 012 2002			405 011 740 405 011 750	
	405 012 2101	TR 2SC1815-0		405 012 200	02 TR 2SC1815-GR
	405 012 2309			405 012 210	
	405 019 1909 405 019 2708			405 012 230 405 019 190	
	405 019 3804	TR 2SC536-G-NP		405 019 270	08 TR 2SC536-F-NP
	405 020 7501	TR 2SC945A-PA		405 019 380	
	405 020 7709 405 020 7907	TR 2SC945A-QA TR 2SC945A-RA		405 020 750 405 020 770	
02304	405 011 7305	TR 2SC1740-Q		405 020 790	07 TR 2SC945A-RA
	405 011 7404 405 011 7503		02315	405 011 730 405 011 740	
	405 017 7303			405 011 750	
	405 012 2101	TR 2SC1815-0		405 012 200	02 TR 2SC1815-GR
	405 012 2309 405 019 1909	TR 2SC1815-Y TR 2SC536-E-NP		405 012 210 405 012 230	
	405 019 2708	TR 2SC536-F-NP		405 019 190	09 TR 2SC536-E-NP
	405 019 3804			405 019 270	
	405 020 7501 405 020 7709			405 019 380 405 020 750	
	405 020 7907	TR 2SC945A-RA		405 020 770	09 TR 2SC945A-QA
<b>Q</b> 2305	405 011 7305 405 011 7404		Q2316	405 020 790 405 011 730	
	405 011 7404		Q2310	405 011 730	
	405 012 2002	TR 2SC1815-GR		405 011 750	03 TR-2SC1740-S
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 012 200 405 012 210	
	405 012 2303	TR 2SC536-E-NP		405 012 230	
	405 019 2708	TR 2SC536-F-NP		405 019 190	09 TR 2SC536-E-NP
	405 019 3804 405 020 7501			405 019 270 405 019 380	08 TR 2SC536-F-NP 04 TR 2SC536-G-NP
	405 020 7709	TR 2SC945A-QA		405 020 750	01 TR 2SC945A-PA
Q2306	405 020 7907 405 011 7305	TR 2SC945A-RA TR 2SC1740-Q		405 020 770 405 020 790	
<b>U</b> 2300	405 011 7404	TR 2SC1740-R	02317	405 020 730	
	405 011 7503	TR 2SC1740-S		405 011 740	04 TR 2SC1740-R
	405 012 2002 405 012 2101			405 011 750	03 TR 2SC1740-S 02 TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 210	
	405 019 1909			405 012 230	
	405 019 2708 405 019 3804			405 019 190 405 019 270	
	405 020 7501			405 019 380	04 TR 2SC536-G-NP
	405 020 7709			405 020 750	
Q2307	405 020 7907 405 011 7305			405 020 770 405 020 790	
42001	405 011 7404	TR 2SC1740-R	02323	405 011 730	05 TR 2SC1740-Q
	405 011 7503 405 012 2002	TR 2SC1740-S		405 011 740	
	405 012 2002			405 011 750 405 012 200	03 TR 2SC1740-S 02 TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 210	)1 TR 2SC1815-0
	405 019 1909 405 019 2708			405 012 230 405 019 190	
	405 019 3804			405 019 270	
	405 020 7501			405 019 380	)4 TR 2SC536-G-NP
	405 020 7709 405 020 7907			405 020 750 405 020 770	)1 TR 2SC945A-PA )9 TR 2SC945A-QA
Q2313	405 011 7305			405 020 770	
	405 011 7404	TR 2SC1740-R	02324	405 011 730	5 TR 2SC1740-Q
	405 011 7503 405 012 2101				14 TR 2SC1740-R 13 TR 2SC1740-S
	405 012 2309			405 012 200	2 TR 2SC1815-GR
	405 019 1909	TR 2SC536-E-NP		405 012 210	1 TR 2SC1815-0
	405 019 2708	TR 2SC536-F-NP		405 012 230	9 TR 2SC1815-Y

Ref. No.	Part No. Description	Ref.No.	Part No. Description
Q2325	405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-OA 405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q	0262	405 004 3109 TR 2SA564A-Q(CU) 405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 011 7305 TR 2SC1740-Q
<b>4</b> 2020	405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA		405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-DA
02326	405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q	0263	405 020 7907 TR 2SC945A-RA 405 018 0002 TR 2SC3331-S 405 018 0101 TR 2SC3331-T
	405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S	Q264	405 003 5609 TR 2SA1318-S 405 003 5708 TR 2SA1318-T
	405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP	0271	405 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-O(SAN) 405 001 7605 TR 2SA1015-V(SAN) 405 004 3109 TR 2SA564A-Q(CU)
Q2327	405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R	0272	405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 011 7305 TR 2SC1740-Q
	405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA		405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA
0251	406 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-0(SAN) 405 001 7605 TR 2SA1015-Y(SAN) 405 004 3109 TR 2SA564A-Q(CU) 405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R	0273 0274 0281 0282	405 020 7907 TR 2SC945A-RA 405 018 0002 TR 2SC3331-S 405 018 0101 TR 2SC3331-T 405 003 5609 TR 2SA1318-S 405 018 0002 TR 2SA1318-T 405 018 0002 TR 2SC3331-S 405 018 0101 TR 2SC3331-T 405 003 5609 TR 2SA1318-S 405 003 5708 TR 2SA1318-S 405 003 5708 TR 2SA1318-T
0252	405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP	0283 0284 0285 0286 0301	405 018 0002 TR 2SC3331-S 405 018 0101 TR 2SC3331-T 405 003 5609 TR 2SA1318-S 405 003 5708 TR 2SA1318-T 405 018 0002 TR 2SC3331-S 405 018 0101 TR 2SC3331-T 405 003 5609 TR 2SA1318-S 405 003 5708 TR 2SA1318-T 405 011 7305 TR 2SC1740-Q
0253	405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 018 0002 TR 2SC3331-S		405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-0
0254	405 018 0101 TR 2SC3331-T 405 003 5609 TR 2SA1318-S		405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP
0261	405 003 5708 TR 2SA1318-T 406 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-0(SAN) 405 001 7605 TR 2SA1015-Y(SAN)		405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA

Q302 Q303	405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002 405 012 2101 405 012 2309 405 019 2708 405 019 3804 405 020 7501 405 020 7501 405 020 7907 405 020 7907 405 011 7305 405 011 7503 405 011 7503 405 011 7503	TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y TR 2SC36-E-NP TR 2SC36-F-NP TR 2SC36-G-NP TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-RA TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R	0309	405 011 740 405 011 750 405 012 200 405 012 210 405 012 230 405 019 190 405 019 380 405 020 750 405 020 770 405 020 790 405 011 730	3 TR 2SC1740-S 2 TR 2SC1815-GR 1 TR 2SC1815-0 9 TR 2SC1815-Y 9 TR 2SC536-E-NP 18 TR 2SC536-F-NP 14 TR 2SC536-G-NP 17 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
	405 011 7404 405 011 7503 405 012 2002 405 012 2101 405 012 2309 405 019 1909 405 019 3804 405 020 7501 405 020 7501 405 020 7907 405 011 7305 405 011 7503 405 011 7503 405 012 2002	TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-RA TR 2SC1740-Q	0309	405 012 200 405 012 210 405 012 230 405 019 190 405 019 270 405 019 380 405 020 750 405 020 770 405 020 790	2 TR 2SC1815-GR 1 TR 2SC1815-0 9 TR 2SC1815-Y 9 TR 2SC536-E-NP 18 TR 2SC536-F-NP 14 TR 2SC536-G-NP 11 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
<b>Q</b> 303	405 011 7503 405 012 2002 405 012 2101 405 012 2309 405 019 1909 405 019 3804 405 020 7501 405 020 7501 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-0 TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-0	0309	405 012 210 405 012 230 405 019 190 405 019 270 405 019 380 405 020 750 405 020 770 405 020 790	1 TR 2SC1815-0 9 TR 2SC1815-Y 9 TR 2SC536-E-NP 18 TR 2SC536-F-NP 14 TR 2SC536-G-NP 17 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
<b>Q3</b> 03	405 012 2002 405 012 2101 405 012 2309 405 019 1909 405 019 3804 405 020 7501 405 020 7709 405 020 707 405 011 7305 405 011 7503 405 011 7503 405 012 2002	TR 2SC1815-GR TR 2SC1815-0 TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-0	0309	405 012 230 405 019 190 405 019 270 405 019 380 405 020 750 405 020 770 405 020 790	9 TR 2SC1815-Y 9 TR 2SC536-E-NP 18 TR 2SC536-F-NP 14 TR 2SC536-G-NP 11 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
<b>Q3</b> 03	405 012 2309 405 019 1909 405 019 2708 405 019 3804 405 020 7501 405 020 7907 405 020 7907 405 011 7305 405 011 7503 405 011 7503 405 012 2002	TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q	0309	405 019 270 405 019 380 405 020 750 405 020 770 405 020 790	8 TR 2SC536-F-NP 14 TR 2SC536-G-NP 11 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
<b>Q3</b> 03	405 019 1909 405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7503 405 011 7503 405 012 2002	TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q	0309	405 019 380 405 020 750 405 020 770 405 020 790	4 TR 2SC536-G-NP 11 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
<b>Q</b> 303	405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q	0309	405 020 750 405 020 770 405 020 790	11 TR 2SC945A-PA 19 TR 2SC945A-QA 17 TR 2SC945A-RA
Q303	405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q	0309	405 020 790	7 TR 2SC945A-RA
<b>Q</b> 303	405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q	0309		
<b>Q3</b> 03	405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC945A-RA TR 2SC1740-0	4303		5 TR 2SC1740-Q
<b>Q3</b> 03	405 011 7305 405 011 7404 405 011 7503 405 012 2002			405 011 740	
	405 011 7503 405 012 2002	TR 2SC1740-R		405 011 750	
	405 012 2002	TR 2SC1740-S	1	405 012 200 405 012 210	12 TR 2SC1815-GR 11 TR 2SC1815-0
	,00 0	TR 2SC1740-3 TR 2SC1815-GR		405 012 230	
	405 012 2101	TR 2SC1815-0		405 019 190	9 TR 2SC536-E-NP
	405 012 2309	TR 2SC1815-Y	1	405 019 270 405 019 380	
	405 019 1909 405 019 2708	TR 2SC536-E-NP TR 2SC536-F-NP		405 019 380	04 TR 2SC536-G-NP 01 TR 2SC945A-PA
	405 019 3804	TR 2SC536-G-NP		405 020 770	9 TR 2SC945A-QA
	405 020 7501	TR 2SC945A-PA	0010	405 020 790	
	405 020 7709 405 020 7907	TR 2SC945A-QA TR 2SC945A-RA	0310	406 000 680 405 001 740	
Q304	405 011 7305	TR 2SC1740-Q		405 001 760	
	405 011 7404			405 004 310	
	405 011 7503	TR 2SC1740-S		405 004 320 405 004 420	
	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0		405 004 420	
	405 012 2309	TR 2SC1815-Y		405 006 110	3 TR 2SA933-Q
	405 019 1909	TR 2SC536-E-NP	0211	405 006 120	
	405 019 2708 405 019 3804	TR 2SC536-F-NP TR 2SC536-G-NP	0311	405 011 730 405 011 740	
	405 020 7501	TR 2SC945A-PA		405 011 750	03 TR 2SC1740-S
0005	405 020 7709	TR 2SC945A-QA		405 012 200	
<b>Q</b> 305	405 011 7305 405 011 7404	TR 2SC1740-Q TR 2SC1740-R		405 012 210 405 012 230	
	405 011 7503	TR 2SC1740-S		405 019 190	9 TR 2SC536-E-NP
	405 012 2002			405 019 270	
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 019 380 405 020 750	
	405 019 1909	TR 2SC536-E-NP		405 020 770	
	405 019 2708	TR 2SC536-F-NP	2010		77 TR 2SC945A-RA
		TR 2SC536-G-NP	0312	406 000 680 405 001 740	
	405 020 7709	TR 2SC945A-PA TR 2SC945A-QA		405 001 760	
	405 020 7907	TR 2SC945A-RA		405 004 310	9 TR 2SA564A-Q(CU)
<b>Q</b> 306		TR 2SA1015-GR(SAN)		405 004 320 405 004 420	
	405 001 7605	TR 2SA1015-0(SAN) TR 2SA1015-Y(SAN)		405 004 420	
	405 004 3109	TR 2SA564A-Q(CU)		405 006 110	03 TR 2SA933-Q
		TR 2SA564A-R(CU)	0401	405 006 120	
		TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP	Q401	405 011 730 405 011 740	
	405 006 1103	TR 2SA933-Q		405 011 750	3 TR 2SC1740-S
	405 006 1202	TR 2SA933-R		405 012 200	02 TR 2SC1815-GR
Q307	405 011 7305 405 011 7404			405 012 210 405 012 230	
	405 011 7503	TR 2SC1740-N		405 012 230	
	405 012 2002	TR 2SC1815-GR		405 019 270	08 TR 2SC536-F-NP
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 019 380 405 020 750	
	405 012 2309	TR 2SC536-E-NP		405 020 750	)1 TR 2SC945A-PA 19 TR 2SC945A-QA
	405 019 2708	TR 2SC536-F-NP	, ·	405 020 790	77 TR 2SC945A-RA
	405 019 3804	TR 2SC536-G-NP	Q421	406 000 680	
	405 020 7501 405 020 7709	TR 2SC945A-PA TR 2SC945A-QA		405 001 740 405 001 760	
	405 020 7907	TR 2SC945A-RA		405 004 310	9 TR 2SA564A-Q(CU)
Q308		TR 2SC1740-Q		405 004 320	8 TR 2SA564A-R(CU)

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 004 4205 405 004 4809	TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP		405 020 79 405 020 7	
ļ	405 004 4803	TR 2SA933-Q		405 020 7	
1	405 006 1202	TR 2SA933-R	Q501	405 011 7	305 TR 2SC1740-Q
0422	406 000 6804	TR 2SA1015-GR(SAN)		405 011 7	
	405 001 7407	TR 2SA1015-0(SAN) TR 2SA1015-Y(SAN)		405 011 79 405 012 2	
	405 001 7605 405 004 3109	TR 2SA564A-Q(CU)		405 012 2	
	405 004 3208	TR 2SA564A-R(CU)		405 012 2	
	405 004 4205	TR 2SA608-E-CTV-NP		405 019 1	
	405 004 4809 405 006 1103	TR 2SA608-F-CTV-NP TR 2SA933-Q		405 019 2 405 019 3	
	405 006 1103	TR 2SA933-R		405 020 7	
0470	405 011 7305	TR 2SC1740-Q		405 020 7	
	405 011 7404	TR 2SC1740-R	Q502	405 020 7 405 011 7	
	405 011 7503 405 012 2002	TR 2SC1740-S TR 2SC1815-GR	4302	405 011 7	
	405 012 2101	TR 2SC1815-0		405 011 7	'503 TR 2SC1740-S
	405 012 2309	TR 2SC1815-Y		405 012 2	
	405 019 1909 405 019 2708	TR 2SC536-E-NP TR 2SC536-F-NP		405 012 2 405 012 2	
	405 019 2708	TR 2SC536-F NP	ļ	405 019 1	909 TR 2SC536-E-NP
	405 020 7501	TR 2SC945A-PA		405 019 2	2708 TR 2SC536-F-NP
	405 020 7709	TR 2SC945A-QA		405 019 3 405 020 7	
Q481	405 020 7907 405 011 7305	TR 2SC945A-RA TR 2SC1740-Q		405 020 7	
U401	405 011 7404	TR 2SC1740-R		405 020 7	7907 TR 2SC945A-RA
	405 011 7503	TR 2SC1740-S	0503	406 000 6	
	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0		405 001 7 405 001 7	
	405 012 2309			405 004 3	3109 TR 2SA564A-Q(CU)
	405 019 1909	TR 2SC536-E-NP		405 004 3	
	405 019 2708			405 004 4 405 004 4	
	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA		405 006 1	
	405 020 7709	TR 2SC945A-QA		405 006 1	202 TR 2SA933-R
2400	405 020 7907	TR 2SC945A-RA	Q504	406 000 6 405 001 7	
Q482	405 011 7305 405 011 7404			405 001 7	
	405 011 7503	TR 2SC1740-S		405 004 3	3109 TR 2SA564A-Q(CU)
	405 012 2002			405 004 3 405 004 4	
	405 012 2101 405 012 2309			405 004 4	
	405 019 1909	TR 2SC536-E-NP		405 006 1	103 TR 2SA933-Q
	405 019 2708	TR 2SC536-F-NP	0505	405 006 1	
	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA	Q505	405 011 7 405 011 7	
	405 020 7709			405 011 7	
	405 020 7907	TR 2SC945A-RA		405 012 2	
0483	405 011 7305	TR 2SC1740-Q		405 012 2 405 012 2	
		TR 2SC1740-R TR 2SC1740-S		405 012 2	
	405 012 2002	TR 2SC1815-GR		405 019 2	2708 TR 2SC536-F-NP
	405 012 2101	TR 2SC1815-0		405 019 3	
	405 012 2309 405 019 1909	TR 2SC1815-Y TR 2SC536-E-NP		405 020 7 405 020 7	
	405 019 2708	TR 2SC536-F-NP		405 020 7	
	405 019 3804	TR 2SC536-G-NP	Q551	405 011 7	7305 TR 2SC1740-Q
	405 020 7501			405 011 7 405 011 7	7404 TR 2SC1740-R 7503 TR 2SC1740-S
	405 020 7709 405 020 7907	TR 2SC945A-QA TR 2SC945A-RA		405 011 7	
0484	405 011 7305	TR 2SC1740-Q		405 012 2	2101 TR 2SC1815-0
	405 011 7404	TR 2SC1740-R		405 012 2	
	405 011 7503 405 012 2002	TR 2SC1740-S TR 2SC1815-GR		405 019 1 405 019 2	
	405 012 2101	TR 2SC1815-0		405 019 3	3804 TR 2SC536-G-NP
	405 012 2309	TR 2SC1815-Y		405 020 7	
	405 019 1909 405 019 2708			405 020 7 405 020 7	
	405 019 3804		0561	405 011 7	
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405 011 7503 TR 405 012 2002 TR 405 012 2309 TR 405 019 1909 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 021 7709 TR 405 021 7709 TR 405 011 7305 TR 405 011 7404 TR 405 012 2002 TR 405 012 2309 TR 405 012 2309 TR 405 012 2309 TR 405 019 1909 TR 405 019 2708 TR 405 019 3804 TR 405 020 7709 TR 405 019 3804 TR 405 020 7709 TR 405 019 2708 TR 405 019 3804 TR 405 020 7709 TR 405 019 3804 TR 405 020 7707 TR  INTEGRATED CIRCUIT IC201 409 247 5302 IC IC202 409 018 3209 IC IC203 409 018 3209 IC IC2301 409 204 6700 IC IC2302 409 018 3209 IC IC2303 409 204 6700 IC IC2304 409 251 1406 IC IC2305 409 251 1406 IC IC2306 409 251 1406 IC IC2307 409 247 5203 IC IC2308 409 251 1406 IC IC2307 409 247 5203 IC IC2308 409 251 1406 IC IC2301 409 251 1406 IC IC2302 409 157 7403 IC IC301 409 240 7303 IC IC301 409 251 1406 IC IC2314 409 087 1502 IC IC403 409 157 7403 IC IC301 409 240 7303 IC IC301 409 31 7109 IC IC421 410 115 8301 IC IC421 410 115 8301 IC IC421 410 115 8301 IC IC423 409 031 7500 IC IC404 409 043 1904 IC IC405 409 043 1904 IC IC406 409 043 1904 IC IC407 409 018 3209 IC	2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-G-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-F-NP 2SC536-F-NP 2SC945A-PA 2SC945A-PA 2SC945A-PA 2SC945A-RA	C211 C212 C213 C214 C215 C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C227 C228 C230 C230 C230 C230 C230 C230 C230 C230	403 049 9803 403 057 0403 403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0503 403 057 0503 403 067 5603	ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER CERAMIC ELECT ELECT ELECT ELECT ELECT POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	2. 2U M 0. 01U K 0. 01U K 2. 2U M 0. 01U K 2. 2U M 0. 01U K 2. 2U M 0. 01U K 0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 1U J 10P D 47U M 0. 1U J 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V
405 012 2101 TR   405 012 2309 TR   405 019 1909 TR   405 020 7501 TR   405 020 7709 TR   405 020 7709 TR   405 020 7907 TR   405 011 7305 TR   405 011 7404 TR   405 011 7503 TR   405 012 2002 TR   405 012 2002 TR   405 012 2002 TR   405 012 2309 TR   405 019 2708 TR   405 019 2708 TR   405 019 2708 TR   405 019 3804 TR   405 019 3804 TR   405 020 7501 TR   405 020 7501 TR   405 020 7709 TR   405 020 77	2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-F-NP 2SC536-F-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MB40568	C213 C214 C215 C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 049 9803 403 057 1004 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 05603 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER CERAMIC ELECT ELECT ELECT ELECT ELECT POLYESTER MT-POLYEST MT-COMPO CERACT MT-POLYEST MT-COMPO	0. 01U K 0. 01U K 2. 2U M 0. 01U K 2. 2U M 0. 01U K 0. 01U K 0. 01U K 10 M 10 M 10 M 0. 01U K 0. 01U J 0. 1U J 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V
405 012 2309 TR	ZSC1815-V 2SC1815-Y 2SC536-E-NP 2SC536-G-NP 2SC945A-PA 2SC945A-PA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C214 C215 C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 049 9803 403 057 0403 403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 0503 403 057 0503 403 067 5603 403 067 5603	ELECT POLYESTER POLYESTER ELECT POLYESTER CERAMIC ELECT ELECT ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	2. 2U M 0. 01U K 0. 01U K 2. 2U M 0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 1U J 10P D 47U M 0. 1U J 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V
405 019 1909 TR	2SC1815-T 2SC536-E-NP 2SC536-E-NP 2SC945A-PA 2SC945A-PA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D MB40568 MB40568 MB40568 MB40568 MB40568 MP42102G-3	C214 C215 C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 0403 403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 0403 403 057 0403 403 057 0403 403 057 05603 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER CERAMIC ELECT ELECT ELECT ELECT POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01 U K 0. 01 U K 2. 2 U M 0. 01 U K 180 P K 1 U M 1 U M 1 U M 0. 01 U K 0. 1 U U 10 P D 47 U M 0. 1 U U	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
Month   Mont	25C536-C-NP 2SC536-C-NP 2SC945A-PA 2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-F-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C215 C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 049 9803 403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 5603	POLYESTER ELECT POLYESTER CERAMIC ELECT ELECT ELECT ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 2. 2U M 0. 01U K 0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 01U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
Most	2SC945A-PA 2SC945A-PA 2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-F-NP 2SC945A-PA 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 049 9803 403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 057 1004 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 5603 403 067 5603 403 067 5603	ELECT POLYESTER POLYESTER CERAMIC ELECT ELECT ELECT POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	2. 2U M 0. 01U K 0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 01U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
405 020 7709 TR 405 020 7907 TR 405 011 7305 TR 405 011 7404 TR 405 011 7503 TR 405 012 2002 TR 405 012 2002 TR 405 012 2002 TR 405 012 2309 TR 405 019 1909 TR 405 019 1909 TR 405 019 3804 TR 405 019 3804 TR 405 020 7501 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7709 TR 405 020 7501 T	2SC945A-QA 2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-F-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MB40568 MP042102G-3	C216 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 0403 403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 5603 403 067 5603	POLYESTER POLYESTER CERAMIC ELECT ELECT ELECT POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
405 020 7907 TR 405 011 7305 TR 405 011 7404 TR 405 011 7503 TR 405 012 2002 TR 405 012 2002 TR 405 012 2101 TR 405 019 2109 TR 405 019 2708 TR 405 019 3804 TR 405 019 3804 TR 405 020 7501 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7709 TR 405 020 7709 TR 405 020 7601 TR 405 020 7601 TR 405 020 7601 TR 405 020 7501 TR 405 012 2100 TR 405 012 2100 TR 406 020 7501 T	2SC945A-RA 2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-PA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	POLYESTER CERAMIC ELECT ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 180P K 1U M 1U M 1U M 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
405 011 7404 TR 405 011 7503 TR 405 012 2002 TR 405 012 2001 TR 405 012 2101 TR 405 019 1909 TR 405 019 3804 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7707 TR  INTEGRATED CIRCUIT 1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C203 409 204 6700 IC 1C2303 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2309 409 247 5203 IC 1C2301 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 251 1406 IC 1C2314 409 251 1406 IC 1C2315 409 251 1406 IC 1C2316 409 251 1406 IC 1C2317 409 251 1406 IC 1C2318 409 251 1406 IC 1C2319 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 052 5603 IC 1C301 409 240 7303 IC 1C303 409 157 7403 IC 1C303 409 157 7403 IC 1C404 409 067 9101 IC 1C402 409 219 8102 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C423 409 022 0805 IC 1C400 409 018 3209 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C423 409 022 0805 IC 1C480 409 043 1904 IC 1C501 409 018 3209 IC 1C4PACITOR C201 403 057 0403 POL	2SC1740-Q 2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C220 C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 071 1707 403 049 0008 403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 1004 403 057 0403 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 068 5501 403 166 6808 403 067 5603	CERAMIC ELECT ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	180P K 1U M 1U M 1U M 0.01U K 0.1U J 10P D 47U M 0.1U J 0.1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
405 011 7503 TR 405 012 2002 TR 405 012 2001 TR 405 012 2309 TR 405 019 1909 TR 405 019 3804 TR 405 020 7501 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7709 TR 405 020 7807 TR  1NTEGRATED CIRCUIT 1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 018 3209 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2309 409 247 5203 IC 1C2309 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 0251 1406 IC 1C2313 409 251 1406 IC 1C3314 409 251 1406 IC 1C3314 409 251 1406 IC 1C3314 409 251 1406 IC 1C3313 409 251 1406 IC 1C3314 409 251 1406 IC 1C4314 409 052 5603 IC 1C404 409 073 1707 IC 1C402 409 219 8102 IC 1C404 409 073 1707 IC 1C402 409 219 8102 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C423 409 022 0805 IC 1C480 409 043 1904 IC 1C501 409 018 3209 IC 1C4PACITOR C201 403 057 0403 POL	2SC1740-R 2SC1740-S 2SC1815-GR 2SC1815-O 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D M840568 MB40568 MB40568 MB40568 MP42102G-3	C221 C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 049 0008 403 049 0008 403 049 0008 403 057 0403 403 057 1004 403 057 0403 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 5603 403 067 5603 403 068 5501 403 068 5501 403 166 6808 403 067 5603	ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-POLYEST	1U M 1U M 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
405 012 2002 TR 405 012 2101 TR 405 012 2309 TR 405 019 1909 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 020 7707 TR 405 020 7707 TR 405 020 7707 TR 405 020 7707 TR  1NTEGRATED CIRCUIT 1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2310 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 251 1406 IC 1C2313 409 251 1406 IC 1C331 409 251 1406 IC 1C431 409 251 1406 IC 1C404 409 251 1406 IC 1C404 409 261 IC 1C404 409 073 1707 IC 1C402 409 219 8102 IC 1C404 409 073 1707 IC 1C402 409 219 8102 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C423 409 022 0805 IC 1C480 409 043 1904 IC 1C501 409 018 3209 IC 1CAPACITOR C201 403 057 0403 POL	ZSC174U-S 2SC1815-GR 2SC1815-Q 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C222 C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 049 0008 403 049 0008 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	ELECT ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-POLYEST	1U M 1U M 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 63V 50V 16V 63V 50V
405 012 2101 TR 405 012 2309 TR 405 019 1909 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 1NTEGRATED CIRCUIT 1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 204 6700 IC 1C2303 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2310 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 0251 500 IC 1C2314 409 052 5603 IC 1C301 409 251 1406 IC 1C315 409 251 1406 IC 1C316 109 251 1406 IC 1C2317 409 251 1406 IC 1C2318 409 251 1406 IC 1C2319 409 251 1406 IC 1C2310 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 087 1502 IC 1C404 409 087 1502 IC 1C404 409 087 1502 IC 1C405 409 157 7403 IC 1C406 409 157 7403 IC 1C407 409 073 1707 IC 1C408 409 073 1707 IC 1C480 409 073 15600 IC 1C480 409 073 15600 IC 1C480 409 073 15600 IC 1C480 409 073 1500 IC 1C490 073 15600 IC 1C490 073 15600 IC 1C480 409 073 1500 IC 1C480 409	2SC1815-0 2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C223 C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 049 0008 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	ELECT POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-POLYEST	1U M 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 50V 50V 63V 50V 63V 50V
405 012 2309 TR 405 019 1909 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 201 0201 0201 0201 0201 0201 0201 0201	2SC1815-Y 2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP42102G-3	C224 C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 50V 63V 50V 16V 63V 50V
405 019 1909 TR 405 019 2708 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7907 TR  1NTEGRATED CIRCUIT 1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 204 6700 IC 1C2302 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 251 1406 IC 1C2309 409 247 5203 IC 1C2309 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 251 1406 IC 1C2314 409 251 1406 IC 1C3314 409 251 1406 IC 1C3313 409 215 9707 IC 1C3314 409 087 1502 IC 409 031 7109 IC 409 052 5603 IC 1C301 409 240 7303 IC 1C302 409 157 7403 IC 1C303 409 073 1707 IC 1C402 409 219 8102 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC I 1C423 409 022 0805 IC I 409 031 5600 IC I 1C480 409 043 1904 IC I 1C480 409 043 1904 IC I 1C501 409 018 3209 IC I	2SC536-E-NP 2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568	C225 C226 C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 1004 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-POLYEST	0. 01U K 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 63V 50V 16V 63V 50V
405 019 2708 TR 405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 020 7907 TR 405 020 7907 TR 405 020 7907 TR  INTEGRATED CIRCUIT  1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2310 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 087 1502 IC 1C314 409 087 1502 IC 1C303 409 073 1707 IC 1C304 409 240 7303 IC 1C305 409 157 7403 IC 1C306 409 240 7303 IC 1C307 409 240 7303 IC 1C308 409 073 1707 IC 1C402 409 219 8102 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC IC 1C423 409 022 0805 IC IC 409 031 5600 IC IC 1C480 409 043 1904 IC IC 1C480 409 043 1904 IC IC 1C501 409 018 3209 IC IC 1C4PACITOR C201 403 057 0403 POL	2SC536-F-NP 2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 UPD42102G-3	C226 C227 C228 C230 C2304 C2305 C2306	403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 043 9106 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 50V 63V 50V 16V 63V 50V
405 019 3804 TR 405 020 7501 TR 405 020 7709 TR 405 020 7709 TR 405 020 7907 TR  INTEGRATED CIRCUIT	2SC536-G-NP 2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP40568	C226 C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 50V 63V 50V 16V 63V 50V
405 020 7709 TR 405 020 7907 TR  INTEGRATED CIRCUIT  1C201 409 247 5302 IC 1C202 409 018 3209 IC 1C203 409 018 3209 IC 1C2301 409 204 6700 IC 1C2302 409 204 6700 IC 1C2303 409 204 6700 IC 1C2304 409 251 1406 IC 1C2305 409 251 1406 IC 1C2306 409 251 1406 IC 1C2307 409 247 5203 IC 1C2308 409 247 5203 IC 1C2308 409 247 5203 IC 1C2309 409 247 5203 IC 1C2310 409 251 1406 IC 1C2311 409 251 1406 IC 1C2312 409 251 1406 IC 1C2313 409 251 1406 IC 1C2314 409 052 5603 IC 1C3314 409 087 1502 IC 409 031 7109 IC 409 052 5603 IC 1C301 409 240 7303 IC 1C302 409 157 7403 IC 1C303 409 073 1707 IC 1C402 409 219 8102 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C402 409 219 8102 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C421 410 115 8301 IC 1C480 409 043 1904 IC 1C480 409 022 0805 IC 1C480 409 043 1904 IC 1C501 409 018 3209 IC 1C4PACITOR C201 403 057 0403 POL	2SC945A-PA 2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP40568	C227 C228 C230 C2304 C2305 C2306	403 057 0403 403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 043 9106 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0. 01U K 0. 01U K 0. 01U K 0. 01U K 0. 1U J 0. 1U J 10P D 47U M 0. 1U J 0. 1U J	50V 50V 50V 50V 63V 50V 50V 16V 63V 50V
A05 020 7907 TR   INTEGRATED CIRCUIT   10201	2SC945A-QA 2SC945A-RA M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MB40568 MP40568	C227 C228 C230 C2304 C2305 C2306	403 057 1004 403 057 0403 403 057 1004 403 166 6808 403 067 5603 403 008 5501 403 043 9106 403 166 6808 403 067 5603	POLYESTER POLYESTER POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-POLYEST	0.01U K 0.01U K 0.01U K 0.1U J 0.1U J 10P D 47U M 0.1U J 0.1U J	50V 50V 50V 63V 50V 50V 16V 63V 50V
INTEGRATED   CIRCUIT   10201   409 247 5302   10 10202   409 018 3209   10 10203   409 204 6700   10 102302   409 204 6700   10 102302   409 204 6700   10 102303   409 204 6700   10 102304   409 251 1406   10 102305   409 251 1406   10 102306   409 251 1406   10 102307   409 247 5203   10 102308   409 247 5203   10 102309   409 247 5203   10 102309   409 251 1406   10 102310   409 251 1406   10 102311   409 251 1406   10 102312   409 251 1406   10 102313   409 251 1406   10 102313   409 251 1406   10 10 102314   409 087 1502   10 102314   409 087 1502   10 102314   409 087 1502   10 102314   409 087 1502   10 102314   409 087 1502   10 102314   409 087 1502   10 102314   409 073 1707   10 10 10 10 10 10 10 10 10 10 10 10 10	M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 MP4042102G-3	C228 C230 C2304 C2305 C2306	403 057 1004 403 166 6808 403 067 5603 403 008 5501 403 043 9106 403 166 6808 403 067 5603	POLYESTER MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0.010 K 0.10 J 0.10 J 10P D 470 M 0.10 J 0.10 J	50V 63V 50V 50V 16V 63V 50V
C201	M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 UPD42102G-3	C230 C2304 C2305	403 166 6808 403 067 5603 403 008 5501 403 043 9106 403 166 6808 403 067 5603	MT-POLYEST MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0.1U J 0.1U J 10P D 47U M 0.1U J 0.1U J	63V 50V 50V 16V 63V 50V
C201	M51406FP LA6082D LA6082D MB40568 MB40568 MB40568 UPD42102G-3	C230 C2304 C2305	403 067 5603 403 008 5501 403 043 9106 403 166 6808 403 067 5603	MT-COMPO CERAMIC ELECT MT-POLYEST MT-COMPO	0.1U J 10P D 47U M 0.1U J 0.1U J	50V 50V 16V 63V 50V
C202	LA6082D LA6082D MB40568 MB40568 MB40568 UPD42102G-3	C2304 C2305 C2306	403 008 5501 403 043 9106 403 166 6808 403 067 5603	CERAMIC ELECT MT-POLYEST MT-COMPO	10P D 47U M 0.1U J 0.1U J	50V 16V 63V 50V
1C203	LA6082D MB40568 MB40568 MB40568 UPD42102G-3	C2304 C2305 C2306	403 043 9106 403 166 6808 403 067 5603	ELECT MT-POLYEST MT-COMPO	47U M 0.1U J 0.1U J	16V 63V 50V
C2301	MB40568 MB40568 MB40568 UPD42102G-3	C2305 C2306	403 166 6808 403 067 5603	MT-POLYEST MT-COMPO	0.1U J 0.1U J	63V 50V
1C2303	MB40568 MB40568 UPD42102G-3	C2306	403 067 5603	MT-COMPO	0.1U J	50V
1C2304	MB40568 UPD42102G-3		403 041 8804	ELECT		
C2305   409   251   1406   IC     C2306   409   251   1406   IC     C2307   409   247   5203   IC     C2308   409   247   5203   IC     C2309   409   247   5203   IC     C2310   409   251   1406   IC     C2311   409   251   1406   IC     C2312   409   251   1406   IC     C2313   409   251   1406   IC     C2314   409   251   1406   IC     C2314   409   087   1502   IC     409   031   7109   IC     409   052   5603   IC     C301   409   240   7303   IC     C302   409   157   7403   IC     C303   409   073   1707   IC     C402   409   219   8102   IC     C403   409   073   1707   IC     C404   409   073   1707   IC     IC404   409   073   1707   IC     IC404   409   073   1707   IC     IC404   409   073   1707   IC     IC405   409   073   15600   IC     IC410   409   073   15600   IC     IC480   409   043   1904   IC     IC501   409   018   3209   IC     CAPACITOR     C201   403   057   0403   POL*	UPD42102G-3	C2307		CLCUI	10U M	16V
1C2306			403 049 0008	ELECT	1U M	50V
1C2307	UPD42102G-3	C2308	403 043 9106		47U M	16V
1C2308	UPD42102G-3	C2309	403 166 6808		0.1U J	<b>6</b> 3V
1C2309	LC9123A-511 LC9123A-511	C231	403 067 5603 403 043 9106		0.1U J	50V
1C2310	LC9123A-511	C2310	403 043 9106		47U M	16V
1C2311	UPD42102G-3	C2310	403 043 9106	MT-POLYEST	47U M 0.1U J	16V 63V
1C2312	UPD421026-3	02312	403 067 5603		0.10 J 0.10 J	50V
1C2313	UPD42102G-3	C2313	403 043 9106		47U M	167
409 031 7109 IC 409 052 5603 IC 1C301 409 240 7303 IC 1C302 409 157 7403 IC 1C303 409 073 1707 IC 1C402 409 219 8102 IC 1C403 409 141 0502 IC 1C404 409 026 9101 IC 1C421 410 115 8301 IC 1C423 409 022 0805 IC 409 031 5600 IC 1C480 409 043 1904 IC 1C501 409 018 3209 IC 1CAPACITOR C201 403 057 0403 POL	MB40978	C2314	403 166 6808		0. 1U J	<b>6</b> 3V
1C301	LC74HC244		403 067 5603	MT-COMPO	0. 1U J	<b>5</b> 0V
1C301	MC74HC244N	C2315	403 043 9106	ELECT	47U M	<b>1</b> 6V
CAPACITOR  C303	TC74HC244P	C2316	403 166 6808	MT-POLYEST	0.1U J	63V
10303	LXAIZIDP	00010	403 067 5603		0.1U J	50V
1C402   409   219   8102   1C   1C403   409   141   0502   1C   1C404   409   026   9101   1C   1C421   410   115   8301   1C   1C423   409   022   0805   1C   1C480   409   043   1904   1C   1C501   409   018   3209   1C   1C480   CAPACITOR   C201   403   057   0403   POL^*		C2318	403 166 6808	MT-POLYEST	0.1U J	63V
1C403	AN5862K L7815-ra	C2319	403 067 5603 403 020 8207		0.1U J	50V
1C404	TA79L008P	C2319	403 020 8207	CERAMIC MT-POLYEST	3P C 0.1U J	50V 63V
1C421	L78M09-RA	0202	403 067 5603	MT-COMPO	0. 10 J 0. 1U J	50V
1C423	LC92032A-507	C2324	403 043 9106	ELECT	47U M	167
IC480 409 043 1904 IC 1 IC501 409 018 3209 IC I CAPACITOR C201 403 057 0403 POL	LC74HCU04	C2325	403 166 6808	MT-POLYEST	0.1U J	<b>63</b> V
10501 409 018 3209 10 1 CAPACITOR C201 403 057 0403 POL	MC74HCU04N	***	403 067 5603	MT-COMPO	0.1U J	<b>50</b> V
CAPACITOR C201 403 057 0403 POL	SN74LS221N	C2326	403 041 8804	ELECT	10U M	1 6V
C201 403 057 0403 POLY	LADUSZU	C2327	403 049 0008	ELECT	1U M	50V
C201 403 057 0403 POLY		C2328 C2329	403 043 9106	ELECT	47U M	1 6V
	YESTER 0.01U K 50V	62329	403 166 6808 403 067 5603	MT-POLYEST MT-COMPO	0.1U J 0.1U J	53V 50V
		C233	403 166 6808	MT-COMPO MT-POLYEST	0. 10 J 0. 10 J	5 3 V
	TESTER U. UTU K SIIV I	0200	403 067 5603	MT-COMPO	0.10 J	5 OV
C203 403 057 0403 POLY	YESTER 0.01U K 50V ELECT 1U M 50V	C2330	403 043 9106	ELECT		1 6V
403 057 1004 POLY	ELECT 1U M 50V YESTER 0.01U K 50V	C2332	403 166 6808	MT-POLYEST		6 3V
	ELECT 1U M 50V YESTER 0.01U K 50V YESTER 0.01U K 50V		403 067 5603	MT-COMPO		5 OV
	-ELECT 1U M 50V -YESTER 0.01U K 50V -YESTER 0.01U K 50V -ELECT 1U M 50V	C2333	403 043 9106	ELECT	47U M	1 <b>6</b> V
	-ELECT 1U M 50V -YESTER 0.01U K 50V -YESTER 0.01U K 50V -ELECT 1U M 50V -ELECT 1U M 50V		403 166 6808	MT-POLYEST	0.18 J	6.3V
	ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  ELECT 1U M 50V  ELECT 1U M 50V  YESTER 0.01U K 50V	C2334	403 067 5603	MT-COMPO		5 <b>O</b> V
	ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  ELECT 1U M 50V  ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V	C2334		ELECT		1 <b>6</b> V
C208 403 050 6600 ELEC	ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  ELECT 1U M 50V  ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V	C2334 C2335	403 043 9106	MT-POLYEST		63V
	ELECT 1U M 50V  YESTER 0.01U K 50V  YESTER 0.01U K 50V  ELECT 1U M 50V  ELECT 1U M 50V  YESTER 0.01U K 50V	C2334	403 043 9106 403 166 6808	MT_COMPA		5 <b>0</b> V 6 <b>.3</b> V
403 056 8707 POLY	ELECT 1U M 50V YESTER 0.01U K 50V YESTER 0.01U K 50V ELECT 1U M 50V ELECT 1U M 50V YESTER 0.01U K 50V THE STER 0.01U K 50V	C2334 C2335 C2336	403 043 9106 403 166 6808 403 067 5603	MT-COMPO	U. IU J	
	ELECT 1U M 50V YESTER 0.01U K 50V YESTER 0.01U K 50V ELECT 1U M 50V ELECT 1U M 50V YESTER 0.01U K 50V YESTER 1000P K 50V	C2334 C2335	403 043 9106 403 166 6808	MT-COMPO MT-POLYEST MT-COMPO		5 <b>O</b> V

Ref. No.	Part No. Description	Ref.No.	Part No. Description
C2339	403 020 8207 CERAMIC 3P C 50V	C254	403 044 6609 ELECT 10U M 25V
C2333	403 166 7706 MT-POLYEST 0.47U J 63V	C264	403 044 6609 ELECT 10U M 25V
	403 067 7805 MT-COMPO 0.47U J 50V	C274	403 044 6609 ELECT 10U M 25V 403 059 3600 POLYESTER 2200P K 50V
C2342	403 043 9106 ELECT 47U M 16V 403 166 6808 MT-POLYEST 0.1U J 63V	C287	403 059 3000 POLYESTER 2200P K 50V
C2343	403 067 5603 MT-COMPO 0.1U J 50V	C288	403 059 3600 POLYESTER 2200P K 50V
C2344	403 043 9106 ELECT 47U M 16V		403 059 4201 POLYESTER 2200P K 50V
C2345	403 166 6808 MT-POLYEST 0.1U J 63V	C289	403 059 3600 POLYESTER 2200P K 50V 403 059 4201 POLYESTER 2200P K 50V
00046	403 067 5603 MT-COMPO 0.1U J 50V 403 041 8804 ELECT 10U M 16V	C301	403 059 4201 POLYESTER 2200P K 50V 403 042 2405 ELECT 100U M 16V
C2346 C2347	403 041 8804 ELECT 100 M 10V	C302	403 069 8305 CERAMIC 0.01U Z 50V
C2348	403 043 9106 ELECT 47U M 16V	C303	403 043 9106 ELECT 47U M 16V
C2349	403 166 6808 MT-POLYEST 0.1U J 63V	C304	403 043 9106 ELECT 47U M 16V 403 043 9106 ELECT 47U M 16V
0225	403 067 5603 MT-COMPO 0.1U J 50V 403 047 3100 ELECT 47U M 25V	C305 C306	403 043 9106 ELECT 470 M 16V
C235 C2350	403 043 9106 ELECT 47U M 16V	C308	403 042 2405 ELECT 100U M 16V
C2352	403 166 6808 MT-POLYEST 0.1U J 63V	C309	403 069 8305 CERAMIC 0.01U Z 50V
	403 067 5603 MT-COMPO 0.1U J 50V 403 043 9106 ELECT 47U M 16V	C312 C313	403 069 8305 CERAMIC 0.01U Z 50V 403 069 8305 CERAMIC 0.01U Z 50V
C2353	403 043 9106 ELECT 47U M 16V 403 166 6808 MT-POLYEST 0.1U J 63V	C314	403 069 8305 CERAMIC 0.010 Z 50V
C2354	403 067 5603 MT-COMPO 0.1U J 50V	C315	403 069 8305 CERAMIC 0.01U Z 50V
C2355	403 043 9106 ELECT 47U M 16V	C316	403 043 9106 ELECT 47U M 16V
C2356	403 166 6808 MT-POLYEST 0.1U J 63V 403 067 5603 MT-COMPO 0.1U J 50V	C317 C357	403 043 9106 ELECT
C2358	403 067 5603 MT-COMPO 0.1U J 50V 403 166 6808 MT-POLYEST 0.1U J 63V	C361	403 166 8109 MT-POLYEST 0.22U J 63V
1 02000	403 067 5603 MT-COMPO 0.1U J 50V		403 067 6709 MT-COMPO 0.22U J 50V
C2359	403 020 8207 CERAMIC 3P C 50V	C362	403 166 8109 MT-POLYEST 0.22U J 63V 403 067 6709 MT-COMPO 0.22U J 50V
C236	403 166 6808 MT-POLYEST 0.1U J 63V 403 067 5603 MT-COMPO 0.1U J 50V	C363	403 067 6709 MT-COMPO 0.22U J 50V 403 166 8109 MT-POLYEST 0.22U J 63V
C2362	403 043 9106 ELECT 47U M 16V		403 067 6709 MT-COMPO 0.22U J 50V
C2363	403 166 6808 MT-POLYEST 0.1U J 63V	C364	403 041 8804 ELECT 10U M 16V
	403 067 5603 MT-COMPO 0.1U J 50V 403 166 6808 MT-POLYEST 0.1U J 63V	C365 C366	403 009 3407 CERAMIC 100P J 50V 403 069 8305 CERAMIC 0.01U Z 50V
C237	403 166 6808 MT-POLYEST 0.1U J 63V 403 067 5603 MT-COMPO 0.1U J 50V	C368	403 008 5501 CERAMIC 10P D 50V
C2371	403 043 9106 ELECT 47U M 16V	C369	403 042 7707 ELECT 22U M 16V
C2372	403 166 6808 MT-POLYEST 0.1U J 63V	C370	403 048 6308 ELECT
02272	403 067 5603 MT-COMPO 0.1U J 50V 403 043 9106 ELECT 47U M 16V	C371 C372	403 048 6308 ELECT 0. 47U M 50V 403 048 6308 ELECT 0. 47U M 50V
C2373 C2374	403 166 6808 MT-POLYEST 0.1U J 63V	C373	403 069 8305 CERAMIC 0.01U Z 50V
	403 067 5603 MT-COMPO 0.1U J 50V	C374	403 069 8305 CERAMIC 0.01U Z 50V
C2375	403 043 9106 ELECT 47U M 16V 403 166 6808 MT-POLYEST 0.1U J 63V	C375 C376	403 069 8305 CERAMIC 0.01U Z 50V 403 049 0008 ELECT 1U M 50V
C2376	403 166 6808 MT-POLYEST 0.1U J 63V 403 067 5603 MT-COMPO 0.1U J 50V	C377	403 049 0008 ELECT 1U M 50V
C2377	403 049 0008 ELECT 1U M 50V	C378	403 042 2405 ELECT 100U M 16Y
C2378	403 043 9106 ELECT 47U M 16V	C379	403 069 8305 CERAMIC 0.01U Z 50Y 403 042 2405 ELECT 100U M 16Y
C2379	403 166 6808 MT-POLYEST 0.1U J 63V 403 067 5603 MT-COMPO 0.1U J 50V	C380 C381	403 042 2405 ELECT 100U M 16Y 403 069 8305 CERAMIC 0.01U Z 50Y
C238	403 043 9106 ELECT 47U M 16V	C382	403 028 1705 CERAMIC 56P J 50V
C239	403 166 6808 MT-POLYEST 0.1U J 63V	C402	403 069 8305 CERAMIC 0.01U Z 50V
00.40	403 067 5603 MT-COMPO 0.1U J 50V	C405 C406	403 046 5907 ELECT 330U M 25Y 403 069 8305 CERAMIC 0.01U Z 50Y
C240	403 166 7706 MT-POLYEST 0.47U J 63V 403 067 7805 MT-COMPO 0.47U J 50V	C400	403 052 7308 ELECT 100U M 357
C241	403 166 6808 MT-POLYEST 0.1U J 63V	C408	403 069 8305 CERAMIC 0.01U Z 50V
	403 067 5603 MT-COMPO 0.1U J 50V	C409	403 042 2405 ELECT 100U M 16V
C242	403 166 7706 MT-POLYEST 0.47U J 63V 403 067 7805 MT-COMPO 0.47U J 50V	C410 C411	403 069 8305 CERAMIC 0.01U Z 50Y 403 040 3701 ELECT 220U M 10Y
C243	403 008 5501 CERAMIC 10P D 50V	C412	403 069 8305 CERAMIC 0.01U Z 50V
C244	403 166 6808 MT-POLYEST 0.1U J 63V	C413	403 044 1703 ELECT 470U M 16V
20	403 067 5603 MT-COMPO 0.1U J 50V	C414 C415	403 069 8305 CERAMIC 0.01U Z 50V 403 043 9106 ELECT 47U M 16V
C245 C246	403 047 3100 ELECT 47U M 25V 403 008 5501 CERAMIC 10P D 50V	C415	403 069 8305 CERAMIC 0.01U Z 50V
C246	403 057 0403 POLYESTER 0.01U K 50V	C421	403 046 3903 ELECT 33U M 25V
	403 057 1004 POLYESTER 0.01U K 50V	C427	403 125 4906 NP-ELECT 0.47U M 50V
C248	403 043 9106 ELECT 47U M 16V 403 057 0403 POLYESTER 0.01U K 50V	C428	403 061 2202 POLYESTER 3900P K 50V 403 061 2707 POLYESTER 3900P K 50V
C249	403 057 0403 POLYESTER 0.010 K 50V	C430	403 020 8207 CERAMIC 3P C 50V
C250	403 043 9106 ELECT 47U M 16V	C431	403 060 6102 POLYESTER 3300P K 50V
C252	403 049 9803 ELECT 2.2U M 50V	C422	403 060 6706 POLYESTER 3300P K 50V 403 086 2300 NP-ELECT 1U M 50V
C253	403 057 0403 POLYESTER 0.01U K 50V 403 057 1004 POLYESTER 0.01U K 50V	C432 C433	403 063 0008 POLYESTER 6800P K 50V
	400 001 1004 1001201211 01010 11 001		

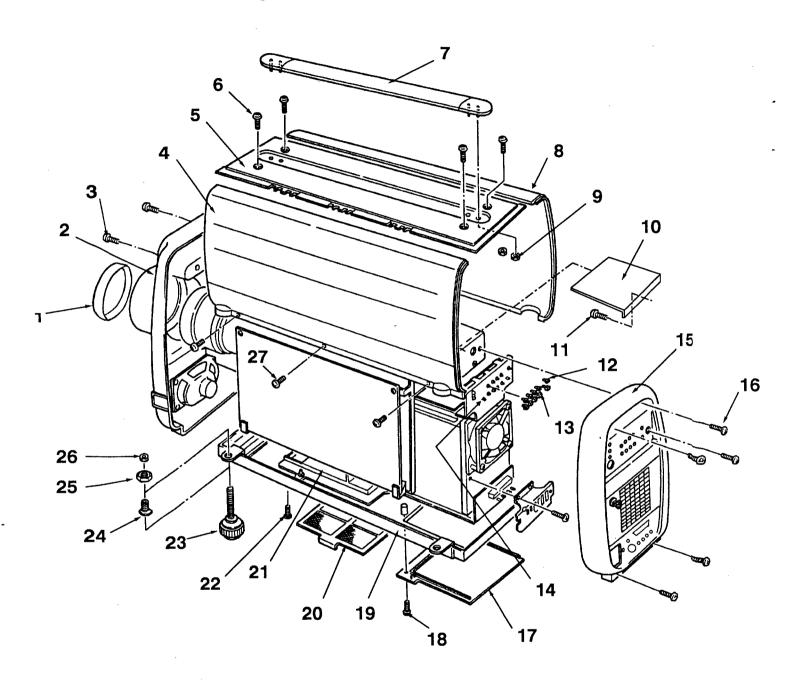
Ref. No.	Part No.	Description	Ref.No.	Part No.	Description	
l	403 063 0602	POLYESTER 6800P K 50V		403 067 5603	MT-COMPO	0.1U J 50V
C434	403 059 3600	POLYESTER 2200P K 50V	C573	403 049 0008	ELECT	1U M 50V
0404	403 059 4201	POLYESTER 2200P K 50V	C574	403 049 9803	ELECT	2. 2U M 50V
C435	403 069 8305	CERAMIC 0.01U Z 50V	C581	403 042 7707	ELECT	22U M 16V
C436	403 019 7907	CERAMIC 27P J 50V	C582	403 069 8305	CERAMIC	0.01U Z 50V
C437	403 012 4606	CERAMIC 15P J 50V	1	ē.		
C438	403 043 9106	ELECT 47U M 16V	RESIST			
C439	403 166 6808	MT-POLYEST 0.1U J 63V	R201	401 026 4605	CARBON	33K JA 1∕6₩
1	403 067 5603	MT-COMPO 0.1U J 50V	R202	401 025 8208	CARBON	22K JA 1/6W
C440	403 057 5903	POLYESTER 1200P K 50V	R203	401 026 1000	CARBON	2.7K JA 1/6W
	403 057 6405	POLYESTER 1200P K 50V	R204	401 024 7707	CARBON	100K JA 1/6W
C441	403 086 2300	NP-ELECT 1U M 50V	R205	401 025 7409	CARBON	220 JA 1/6W
C442	403 166 6808 403 067 5603	MT-POLYEST 0.1U J 63V MT-COMPO 0.1U J 50V	R208 R209	401 026 4605 401 087 6204	CARBON CARBON	33K JA 1/6W 0.000 ZA 1/6W
C443	403 043 9106	ELECT 47U M 16V	R212	401 087 6204	CARBON	0.000 ZA 1/6W
C444	403 043 9100	CERAMIC 12P J 50V	R213	401 087 6204	CARBON	0.000 ZA 1/6W
C445	403 017 8005	CERAMIC 22P J 50V	R214	401 087 6204	CARBON	0.000 ZA 1/6W
C446	403 069 8305	CERAMIC 0.01U Z 50V	R216	401 024 6403	CARBON	10 JA 1/6W
C447	403 059 5901	POLYESTER 0.022U K 50V	R217	401 026 7408	CARBON	39K JA 1/6W
	403 059 6700		R218	401 024 9701	CARBON	12K JA 1/6W
C448	403 063 0008	POLYESTER 6800P K 50V	R219	401 024 7400	CARBON	10K JA 1/6W
	403 063 0602	POLYESTER 6800P K 50V	R220	401 024 7707	CARBON	100K JA 1/6W
C449	403 086 2300	NP-ELECT 1U M 50V	R223	401 027 5908	CARBON	68K JA 1/6W
C450	403 043 9106	ELECT 47U M 16V	R224	401 026 4605	CARBON	33K JA 1/6W
C451	403 166 6808	MT-POLYEST 0.1U J 63V	R225	401 026 7408 401 087 6204	CARBON	39K JA 1/6W
0.450	403 067 5603	MT-COMPO 0.1U J 50V MT-POLYEST 0.1U J 63V	R226 R2301		CARBON CARBON	0.000 ZA 1/6W
C452	403 166 6808 403 067 5603	MT-POLYEST 0.1U J 63V MT-COMPO 0.1U J 50V	R2301	401 024 7004 401 024 7004		1K JA 1/6W 1K JA 1/6W
C453	403 057 0403		R2307	401 024 7004	CARBON	0.000 ZA 1/6W
0455	403 057 1004		R2309	401 087 6204	CARBON	0.000 ZA 1/6W
C454	403 019 7907	CERAMIC 27P J 50V	R231	401 027 0309	CARBON	47K JA 1/6W
C455	403 012 4606	CERAMIC 15P J 50V	R2310	401 024 7004	CARBON	1K JA 1/6W
C456	403 166 6808		R2311	401 024 7004	CARBON	1K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R2312	401 024 7004	CARBON	1K JA 1/6W
C457	403 043 9106	ELECT 47U M 16V	R2313	401 027 5205	CARBON	680 JA 1/ <b>6W</b> .
C458	403 056 7908		R2314	401 027 5502	CARBON	6.8K JA 1/6W
	403 056 8707		R2315	401 025 4200	CARBON	1.8K JA 1/6W
C460	403 069 8305		R2317	401 024 7004	CARBON	1K JA 1/6W
C463	403 069 8305	CERAMIC 0.01U Z 50V	R232	401 025 2305	CARBON	150K JA 1/6W
C471	403 166 6808 403 067 5603		R2321 R2322	401 024 7004 401 024 7004	CARBON	1K JA 1/6W 1K JA 1/6W
C473	403 007 5005		R2327	401 024 7004	CARBON CARBON	0.000 ZA 1/6W
C474	403 017 8005		R2329	401 087 6204	CARBON	0.000 ZA 1/6W
C481	403 059 5000		R233	401 024 9701	CARBON	12K JA 1/6W
0401	403 059 5703		R2330	401 024 7004	CARBON	1K JA 1/6W
C482	403 059 5000		R2331	401 024 7004	CARBON	1K JA 1/6W
	403 059 5703	POLYESTER 0.022U J 50V	R2332	401 024 7004	CARBON	1K JA 1/6W
C501	403 085 6705		R2333	401 027 5205	CARBON	680 JA 1/6W
C502	403 049 9803	ELECT 2. 2U M 50V	R2334	401 027 5502	CARBON	6.8K JA 1/6W
C503	403 166 6808	MT-POLYEST 0.1U J 63V	R2335	401 025 4200	CARBON	1.8K JA 1/6W
0504	403 067 5603	MT-COMPO 0.1U J 50V	R2337	401 024 7004	CARBON	1K JA 1/6W
C504	403 049 9803		R234	401 024 9701	CARBON	12K JA 1/6W 1K JA 1/6W
C505	403 166 6808 403 067 5603		R2341 R2342	401 024 7004 401 024 7004	CARBON CARBON	1K JA 1/6W 1K JA 1/6W
C506	403 044 6609		R2347	401 087 6204	CARBON	0.000 ZA 1/6W
C500	403 166 6808		R2347	401 087 6204	CARBON	0.000 ZA 1/6W
""	403 067 5603		R235	401 025 2305	CARBON	150K JA 1/6W
C508	403 166 6808		R2350	401 024 7004	CARBON	1K JA 1/6W
	403 067 5603		R2351	401 024 7004	CARBON	1K JA 1/6W
C510	403 166 6808	MT-POLYEST 0.1U J 63V	R2352	401 024 7004	CARBON	1K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R2353	401 027 5205	CARBON	680 JA 1/6W
C551	403 166 6808	MT-POLYEST 0.1U J 63V	R2354	401 027 5502	CARBON	6.8K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R2355	401 025 4200	CARBON	1.8K JA 1/6W
C553	403 049 0008		R2357	401 024 7004	CARBON	1K JA 1/6W
C554	403 049 9803	ELECT 2. 2U M 50V	R236	401 025 2305	CARBON	150K JA 1/5W
C561	403 166 6808	MT-POLYEST 0.1U J 63V	R237	401 024 9701	CARBON	12K JA 1/5W
CECO	403 067 5603		R238 R239	401 024 9701 401 024 9701	CARBON	12K JA 1/5W
C563	403 049 0008 403 049 9803		R239 R240	401 024 9701	CARBON CARBON	12K JA 1/5W 12K JA 1/5W
C564 C571	403 166 6808		R241	401 024 9701	CARBON	150K JA 1/5W
5571	400 100 0000	102.20. 0.10 0 001	1,271	.51 020 2000	J. III DON	100K 3K 175K
			1			
L			I			

1	Part No.	Descrip	tion		Ref.No.	Part No.	Description		
R242 .	401 025 2305	CARBON	150K JA	1/6W	R334	401 024 7 401 024 7			1/6W 1/6W
R243	401 025 2305	CARBON	150K JA	1/6\ 1/6\	R335 R336	401 024 7 401 025 1			1/6W
R250	401 087 6204	CARBON	0. 000 ZA	1/6W				15K JA	1/6W
R252	401 027 3003	CARBON	56K JA	1/6W	R337 R338	401 025 1 401 027 5			1/6W
R253	401 027 3003	CARBON	56K JA	1/6W	R339	401 027 5			1/6W
R254	401 025 7805	CARBON	2. 2K JA	1/6W	R340	401 027 3			1/6W
R255	401 012 4503	CARBON	100 JA	1/4W	R341	401 023 1			1/6W
R256	401 012 3407	CARBON	10 JA	1/4W	R350	401 024 7			1/6W
R257	401 025 7805	CARBON	2. 2K JA 10 JA	1/6W 1/4W	R351	401 024 7			1/6W
R258	401 012 3407 401 012 4503	CARBON CARBON	100 JA	1/4W	R352	401 024 7		1K JA	1/6W
R259	401 012 4503	CARBON	0.000 ZA	1/6W	R353	401 024 7		10K JA	1/6W
R260	401 027 3003	CARBON	56K JA	1/6W	R354	401 025 7		2. 2K JA	1/6W
R262	401 027 3003	CARBON	56K JA	1/6W	R355	401 026 9			1/6W
R263 R264	401 027 3003	CARBON	2. 2K JA	1/6₩	R361	401 024 7		1K JA	1/6W
R265	401 012 4503	CARBON	100 JA	1/4W	R362	401 024 7			1/6W
R266	401 012 3407	CARBON	10 JA	1/4W	R363	401 025 7		2. 2K JA	1/6W
R267	401 025 7805	CARBON	2. 2K JA	1/6W	R364	401 026 4		330K JA	1/6W
R268	401 012 3407	CARBON	10 JA	1/4W	R365	401 027 2			1/6W
R269	401 012 4503	CARBON	100 JA	1/4W	R367	401 027 6		680K JA	1/6W
R270	401 087 6204	CARBON	0.000 ZA	1/6W	R368	401 026 9			1/6W
R270	401 027 3003	CARBON	56K JA	1/6W	R369	401 026 9		47 JA	1/6W
R273	401 027 3003	CARBON	56K JA	1/6W	R370	401 026 9	303 CARBON	47 JA	1/6W
R274	401 025 7805	CARBON	2. 2K JA	1/6W	R371	401 026 1	000 CARBON	2. 7K JA	1/6W
R275	401 012 4503	CARBON	100 JA	1/4W	R372	401 027 5		6.8K JA	1/6W
R276	401 012 3407	CARBON	10 JA	1/4W	R374	401 024 7	400 CARBON	10K JA	1/6W
R277	401 025 7805	CARBON	2. 2K JA	1/6W	R375	401 024 7		10K JA	1/6₩
R278	401 012 3407	CARBON	10 JA	1/4W	R381	401 026 1		2. 7K JA	1∕6₩
R279	401 012 4503	CARBON	100 JA	1/4W	R382	401 024 9		1.2K JA	1/6₩
R281	401 012 3407	CARBON	10 JA	1/4W	R383	401 027 8		8. 2K JA	1/6W
R282	401 012 3407	CARBON	10 JA	1/4W	R384	401 026 4		3. 3K JA	1/6₩
R283	401 024 6700	CARBON	100 JA	1/6W	R385	401 027 2		5. 6K JA	1/6W
R284	401 012 3407	CARBON	10 JA	1/4W	R386	401 027 8		8. 2K JA	1/6₩
R285	401 012 3407	CARBON	10 JA	1/4W	R387	401 027 2		5. 6K JA	1/6₩
R286	401 024 6700	CARBON	100 JA	1/6W	R388	401 027 8		8. 2K JA	1/6₩
R287	401 012 3407	CARBON	10 JA	1/4W	R389	401 026 4		3. 3K JA	1/6₩
R288	401 012 3407	CARBON	10 JA	1/4W	R390	401 026 4		3. 3K JA	1/6W
R289	401 024 6700	CARBON	100 JA	1/6W	R391	401 026 4		3. 3K JA	1/6W
R301	401 026 9303	CARBON	47 JA	1/6W	R393	401 024 7		10K JA	1/6\
R302	401 025 1902	CARBON	15K JA	1/6W	R394	401 024 7		10K JA	1/6W
R303	401 025 7409	CARBON	220 JA	1/6W	R395	401 024 7		10K JA	1/6W
R304	401 026 9600	CARBON	470 JA	1/6₩	R397	401 025 1 401 025 1		1.5K JA 1.5K JA	1/6W 1/6W
R306	401 027 8305	CARBON CARBON	820 JA 47 JA	1/6W	R398 R399	401 025 1			
R307	401 026 9303	CARBON	1K JA	•	R401	401 023 1		47 JA	14
R308	401 024 7004		1K JA		R403	401 063 0		68 JA	14
R309	401 024 7004 401 026 9303	CARBON Carbon	47 JA	1/6W	R406	401 003 0		10K JA	1/64
R310 R311	401 025 1902		15K JA	1/6W	R407	401 025 4		18K JA	1/64
R311	401 025 1902	CARBON	47 JA		R421	401 026 7			1/64
R313	401 025 1902		15K JA	1/6W	R422	401 024 7			1/6₩
R314	401 024 9305		1. 2K JA		R424	401 026 9			1/6\
R315	401 026 9600		470 JA		R425	401 087 6			1/6₩
R316	401 024 7004		1K JA		R430	401 026 3			1/6₩
R317	401 024 7004		1K JA		R431	401 026 4		330K JA	1/6W
R318	401 026 9303		47 JA	1/6W	R432	401 027 7	209 CARBON		1/6₩
R319	401 026 6609	CARBON	390 JA		R433	401 087 6			1/6W
R320	401 024 7004		1K JA	1/6W	R435	401 027 5			1/6W
R321	401 024 7004		1K JA		R437	401 087 6			1/6W
R322	401 026 9600		470 JA	1/6W	R439	401 087 6	204 CARBON	0.000 ZA	1/6W
R323	401 024 9701	CARBON	12K JA		R441	401 087 6	204 CARBON	0.000 ZA	1/6₩
R324	401 027 5502		6. 8K JA		R442	401 025 7	805 CARBON	2. 2K JA	1/6W
R325	401 027 5205	CARBON	680 JA		R443	401 026 4	308 CARBON	3. 3K JA	1/6W
R326	401 024 7004	CARBON	1K JA	1/6W	R444	401 027 5		6.8K JA	1/6W
R327	401 024 7004	CARBON	1K JA	1/6W	R445	401 024 7	004 CARBON	1K JA	1/6W
R328	401 024 7004	CARBON	1K JA	1/6W	R446	401 025 2			1/6W
R329	401 024 9305	CARBON	1.2K JA	1/6W	R447	401 024 8			1/6W
R330	401 025 1902	CARBON	15K JA		R448	401 024 7		100K JA	1/6W
R331	401 025 1902	CARBON	15K JA	1/6W	R449	401 024 8	803 CARBON	12 JA	1/6W
-	401 027 5205	CARBON	680 JA		R450	401 025 0			1/6W
R332				1 /CW	1 0/61	401 027 E	KUD CADDOM	C OV IA	1.76/90
R332 R333	401 024 7004	CARBON	1K JA	1/6W	R451	401 027 5	502 CARBON	6.8K JA	1/6W

Ref. No.	Part No.	Description	on		Ref.No.	Part No	o.	Description		
R452	401 027 5502		6. 8K JA	1/6W	VR2301		19 4069	VR B-10K		
R453	401 024 7004		1K JA	1/6W	VR2302		19 4069	VR B-10K	*	
R454	401 026 7606	CARBON	390K JA	1/6W	VR2303		19 4069	VR B-10K		
R455	401 025 8703	CARBON	220K JA	1/6W	VR301	610 0	19 4038	VR B-2K		
R456	401 024 7400	CARBON	10K JA	1/6W	VR481	610 0	19 4076	VR B-20K		
R457	401 024 8803	CARBON	12 JA	1/6W	VR482	610 0	19 4076	VR B-20K		
R458	401 024 7707	CARBON	100K JA	1/6W	VR503	610 0	19 4076	VR B-20K		
R459	401 025 2305	CARBON	150K JA	1/6W	VR551		19 4038	VR B-2K		
R460	401 024 7004	CARBON	1K JA	1/6W	VR561	610 0	19 4038	VR B-2K		
R461	401 027 5502		6.8K JA	1/6W	VR571	610 0	19 4038	VR B-2K		
R462	401 027 4307		6. 2K JA	1/6W	TD. 1105	201150				
R463	401 027 0309	CARBON	47K JA	1/6W	TRANSFO					
R464	401 027 7704		750K JA	1/6W	T421		31 2751	S TRANS		
R465	401 027 6103		680K JA	1/6W	T422		31 2768	S TRANS		
R466	401 024 8803		12 JA	1/6W	T423	610 2	31 2751	S TRANS		
R467	401 024 7707		100K JA	1/6W	COLL					
R469	401 087 6204	CARBON	0.000 ZA	1/6W	COIL	010 0				
R471	401 025 8208	CARBON	22K JA	1/6W	L2301		15 1374	LC BLOCK		
R472	401 024 7400		10K JA	1/6W	L2302	610 2	15 1374	LC BLOCK		
R473	401 026 3707	CARBON	33 JA	1/6W	L2303		15 1374	LC BLOCK		1 /0"
R475	401 087 6204	CARBON	0.000 ZA	1/6W	L2304	401 0	87 6204	CARBON	0.000 ZA	1/6W
R476	401 026 3707		33 JA	1/6W	L2311	401 0	87 6204		0.000 ZA	1/6W
R481	401 024 7400		10K JA	1/6W	L2312		15 1374	LC BLOCK		
R482	401 025 7805		2. 2K JA	1/6W	L2313		15 1374	LC BLOCK		
R484	401 024 7400		10K JA	1/6W	L2314	010 2	15 1374	LC BLOCK	0 000 71	1.7011
R485	401 024 7400		10K JA	1/6W	L281	401 0	87 6204	CARBON	0.000 ZA	1/ DW
R486	401 024 7004		1K JA	1/6W	L301		30 1139			
R487	401 024 7004	CARBON	1K JA	1/6W	L302		24 3864	DELAY LINE	0 000 74	1.7010
R488	401 025 8208		22K JA	1/6W	L351		87 6204		0.000 ZA	
R489	401 024 7400	CARBON	10K JA		L361	401 0	87 6204 87 6204	CARBON	0.000 ZA	1/0W
R490	401 024 7400		10K JA	1/6W	L371				0.000 ZA	
R501	401 024 7400		10K JA	1/6W	L401		87 6204		0.000 ZA	
R502	401 024 7400		10K JA	1/6W	L402		87 6204		0.000 ZA	1/6W 1/6W
R503	401 024 7004		1K JA	1/6W	L403	401 0	87 6204	CARBON		
R504	401 024 9305	CARBON	1. 2K JA	1/6W	L404	401 0	87 6204	CARBON	0.000 ZA	1/6W
R505	401 024 7004		1K JA	1/6W	L460		87 6204		0.000 ZA	1/ 0#
R506	401 087 6204		0.000 ZA 270K JA	1/6W	L581	010 0	31 3439	PEAKING CO	I L	
R507	401 026 1604			1/6W	DIODE					
R508	401 025 1902		15K JA 39K JA	1/6W 1/6W	D201	407.0	07 9904	DIODE GMAO	1	
R509 R510	401 026 7408 401 024 6700		100 JA	1/6W	0201		12 4406	DIODE 1881		
R511	401 024 0700	CARBON	33K JA	1/6W			12 5809	DIODE 1881		
R512	401 027 9005		82K JA		D301		52 4602			
R512	401 027 3000		330K JA	1/6W	D351		87 6204		0 000 74	1/6W
กราร ส514	401 024 8001		1M JA	1/6W	D352		55 7907	ZENER DIODI		17 011
R515	401 087 6204		0.000 ZA	1/6W	D402		07 9904	DIODE GMAO		
R524	401 026 9303	CARBON	47 JA	1/6W	5702	407 O	12 4406	DIODE 1SS1:		
R551	401 026 9600	CARBON	470 JA	1/6W			12 5809	DIODE 1331		
R552	401 027 2600		5. 6K JA	1/6W	D403		07 9904	DIODE GMAO		
R553	401 027 8305		820 JA	1/6W	)		12 4406	DIODE 1881		
R554	401 026 3905	CARBON	330 JA	1/6W	1		12 5809	DIODE 1881		
R561	401 026 9600	CARBON	470 JA	1/6W	D404		07 9904	DIODE GMAO		
R562	401 027 2600		5. 6K JA	1/6W			12 4406	DIODE 1881:		
R563	401 027 8305	CARBON	820 JA	1/6W	1		12 5809	DIODE 1881		
R564	401 026 3905	CARBON	330 JA	1/6W	D405		87 6204	CARBON	0.000 ZA	1/68
R571	401 026 9600	CARBON	470 JA	1/6W	D421	<u>4</u> 07 0	91 2102	VARACTOR D		
R572	401 027 2600		5. 6K JA	1/6W	D422		91 2102	VARACTOR D		
R573	401 027 8305	CARBON		1/6W	D481		07 9904	DIODE GMAO		
R574	401 026 3905		330 JA		5-01		12 4406	DIODE 1SS13		
110/4	401 020 3300	CAHDON	330 JA	1/011			12 5809	DIODE 1881		
ARIARI	E RESISTER				D482	401 U	07 9904	DIODE 1331		
		VR B-50K			U40Z					
VR201 VR202	610 019 4090 610 019 4090						12 4406 12 5809	DIODE 18813		
					DEO1			DIODE CHAOL		
VR203	610 019 4090	VR B-50K			D501		07 9904	DIODE 1881		
VR205	610 019 4090	VR B-50K					12 4406	DIODE 18813		
<b>V</b> R206	610 019 4090				DEDO	407 0	12 5809	DIODE 18817		
110007	610 019 4052 610 019 4052				D502	407 0	07 9904	DIODE 1991	22	
VR207		vn n=n1			1	40 / U	12 4406	DIODE 1SS13	າວ	
<b>V</b> R208						407 O	12 5000	DIONE 10017		
	610 019 4052 610 019 4038	VR B-5K			D551	407 0	12 5809 87 6204	DIODE 1SS17 CARBON		1 /= W

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
D552 D553 D554 D555 D561 D562 D563 D564 D565 D571 D572 D573 D574 D575	407 007 9904 407 012 4406 407 012 5809 401 087 6204 401 087 6204 407 048 9901 407 007 9904 407 012 4406 407 012 5809 401 087 6204 401 087 6204 401 087 6204 407 048 9901 407 005 9807 407 005 9807 407 007 9904 407 012 4406	DIODE 1SS133 DIODE 1SS176 CARBON 0.000 ZA 1/6W CARBON 0.000 ZA 1/6W ZENER DIODE EQA02-25A DIODE ERA81-004 DIODE GMA01	K1003 K1004 K1005 K1006 SW1001 SW1002 SW1004 SW1005 SW1007 SW1005 SW1014 SW1015 SW1017	610 208 5 610 208 5	RCA JACK 1P 989 RCA JACK 1P 972 RCA JACK 1P 350 PUSH SWITCH 350 PUSH SWITCH 082 PUSH SWITCH 084 PUSH SWITCH 087 PUSH SWITCH 088 PUSH SWITCH 088 PUSH SWITCH 089 PUSH SWITCH 080 PUSH SWITCH
610 23		OUND PCB ASSY E4ZA UE2412	MISCEL AA901	LANEUS 610 230 6	3705 BALLAST (E4ZA)
TRANSIS 01001		TR 2SA1015-GR(SAN) TR 2SA1015-0 (SAN) TR 2SA1015-Y (SAN) TR 2SA564A-Q(CU) TR 2SA564A-R(CU) TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP TR 2SA933-Q TR 2SA933S-Q TR 2SA933S-R	E1001	610 225 2 610 225 2 610 225 2 610 227 0 610 225 2 610 230 6 610 225 2 610 230 6 610 230 6 610 230 6 610 230 6	2774 LCD ALM0305-00 LCD ALM0305-00 LCD ALM0305-00 LCD ALM0305-00 LS94 MOTER FAN MAROR GRAG (DICHROIC) LS972 MIRROR SSWC (DICHROIC) LS989 MIRROR SSWC (DICHROIC) LS989 MIRROR GRAG (DICHROIC) L
RES 1 ST R1001 R1002 R1003 R1004	ER  401 024 7004 401 024 7400 401 026 9907 401 024 9701	CARBON 1K JA 1/6W CARBON 1OK JA 1/6W CARBON 4.7K JA 1/6W	KSPAS: KSPS K9KS K9KS1 K9KS2 K9LS	2 610 009 5 610 014 6 610 009 5 610 009 5	5984 TERMINAL PLUG 6549 2P MINI HOUSING-S 7797 CONNECTOR 5984 TERMINAL PLUG
DIODE     DB1001     D1001     D1002     D1003     D1003     D1004     D1005     D1006	407 116 6504 610 234 0914 407 036 0309 610 227 3069 407 033 7608 610 227 3069 407 029 8909	LED SLP-938C-50 SPASOR LED SLP-438C-50 SPASOR LED SLP-238C-50 SPASOR ZENER DIODE EQA02-13A DIODE DS442X DIODE 1SS133 DIODE 1SS176 DIODE 1S1555 DIODE 1S2076	K9LS1   K9LS2   SP901   SW901 	610 009 5	5984 TERMINAL PLUG 5984 TERMINAL PLUG 5471 SPEAKER 5464 SPEAKER 0010 SWITCH 1677 PUSH SWITCH 10352 POWER TRANS 15555 AC CORD (PLC-100P) 15400 AC CORD (PLC-100PP)
MISCEL A1001 A1002 A1003 A1004 A1901 A1902 EK1010 K1001 K1002	610 230 5821 610 230 5838 610 230 5845 610 230 5852 610 048 4603 610 048 4603	RC AMP L PCB ASSY E4ZA RC AMP R PCB ASSY E4ZA RC PREAMP 411-1E RC PREAMP 411-1E SOCKET 21P DIN SOCKET			

# CABINET PARTS LIST

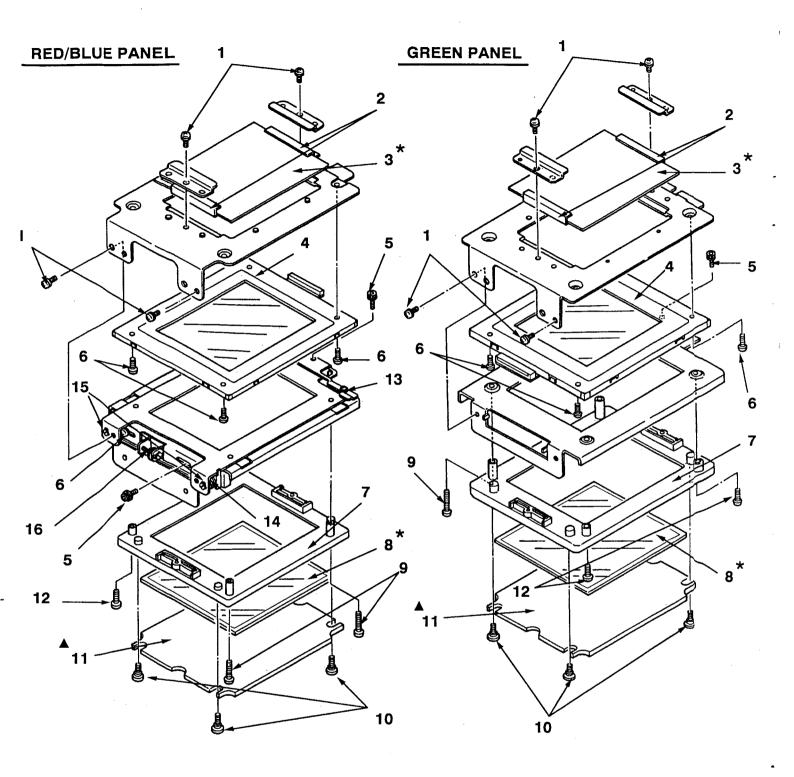


CABINET PARTS LIST

	CABINET P	ARTS LIST
KEY NO.	PART NO.	DESCRIPTION
		1 = 110 04 0
1.	610 225 3696	LENS CAP
2.	610 228 1743	FRONT CABINET
	610 223 9751	BRAND BADGE
	610 220 1123	TRANSPARENT BOARD (2 USED)
	610 218 4099	FILTER,RC PRE - AMP. (2 USED)
3.	411 077 1102	SCREW,4X10MM (4 USED)
4.	610 225 2149	SIDE CABINET (RIGHT)
5.	610 225 2125	TOP CABINET
6.	411 077 1102	SCREW,4X10MM (4 USED)
7.	610 225 4075	HANDLE ASSY
	610 225 2231	HANDLE MTG. BRAKET (2 USED)
	610 220 1154	HANDLE COVER (2 USED)
	610 220 1222	HANDLE SLIDE PLATE (4 USED)
8.	610 226 5743	SIDE CABINET (LEFT)
9.	412 036 2307	SPECIAL NUT (4 USED)
<u> 1</u> 0.	610 227 3472	INSULATION SHEET
11.	412 027 1401	SCREW,3X8MM
<u>12.</u>	610 029 1799	PUSH BUTTON ASSY
<b>⊼</b> 13.	610 220 1352	PUSH BUTTON ASSY (9 USED)
14.	610 220 5435	PUSH BUTTON ASSY
15.	610 231 0161	REAR CABINET
	610 230 5289	DECORATION PLATE (TOP)
	610 230 5296	DECORATION PLATE (BOTTOM)
	610 132 2447	HOOK,AC CORD
16.	411 077 1102	SCREW,4X10MM (2 USED)
<b>⚠</b> 17.	610 230 4091	LAMP REPLACE COVER
18.	411 076 1103	SCREW,4X12MM (2 USED)
19.	610 230 4084	BOTTOMCABINET
<u>/</u> \hat{\Lambda} 20.	610 225 2187	FILTER
<u> </u>	610 225 2200	FILTER MTG. PLATE
22.	411 076 1103	SCREW,4X12MM (3 USED)
23.	610 225 4068	LEG ASSY (4 USED)
24.	412 036 8408	SPECIAL NUT (4 USED)
25.	411 136 2903	NUT (4 USED)
26.	411 004 6101	NUT (4 USED)
27.	411 076 1103	SCREW,4X12MM (4 USED)

### **ACCESSORIES PARTS LIST**

KEY NO.	PART NO.	DESCRIPTION	_
	610 230 6361	OWNER'S MANUAL (PLC-100P)	
	610 231 9583	OWNER'S MANUAL (PLC-100PB/PP)	
	610 225 4907	DUST COVER	
	610 229 1056	RC TRANSMITTER	
	610 105 0463	RC BATTERY COVER	



### Caution;

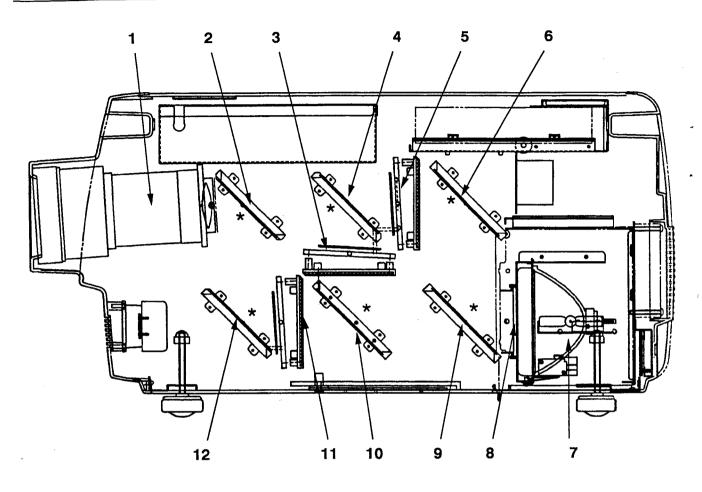
\* ........... Coating face is inner side (LCD panel side).

Rugged face is inner side (LCD panel side).

### LCD PANEL PARTS LIST

	RED/BLUE LCD PANEL	•
KEY NO.	PART NO.	DESCRIPTION
1.	411 036 6001	SCREW AND WASHER,3X8MM (2 USED)
2.	610 228 1316	SUPPORTER (2 USED)
3.	610 225 4105	POLARIZED GLASS ASSY (OUT)
4.		LCD PANEL
		(SEE ELECTRICAL PARTS LIST)
5.	412 037 7509	SPECIAL SCREW
6.	411 029 0900	SCREW,3X8MM (6 USED)
7.	610 225 0015	CONDENSER LENS BASE
8.	610 225 4099	POLARIZED GLASS ASSY (IN)
9.	411 028 8303	SCREW,3X18MM (2 USED)
10.	412 036 9108	SPECIAL SCREW (4 USED)
11.	610 225 2941	LENS (FRESNEL) SCREW,3X14MM (2 USED)
12.	411 028 7900 412 027 1401	SCREW,3X14MM (2 03ED)
13.	412 027 1401	WASHER (2 USED)
14.	610 227 3052	SPRING
14. 15.	412 037 7202	SPECIAL SCREW (2 USED)
15.	411 016 0500	RING-E (2 USED)
16.	412 036 7401	SPECIAL SCREW
10.		
	GREEN LCD PANEL	DECODIFICAL
KEY NO.	PART NO.	DESCRIPTION
1.	411 036 6001	SCREW AND WASHER,3X8MM (2 USED)
2.	610 228 1316	SUPPORTER (2 USED)
3.	610 225 4105	POLARIZED GLASS ASSY (OUT)
4.		LCD PANEL
		(SEE ELECTRICAL PARTS LIST)
5.	412 037 7509	SPECIAL SCREW (2 USED)
6.	411 029 0900	SCREW,3X8MM (4 USED)
7.	610 225 0015	CONDENSER LENS BASE
8.	610 225 4099	POLARIZED GLASS ASSY (IN)
9.	411 028 8303	SCREW,3X18MM (2 USED) SPECIAL SCREW (4 USED)
10.	412 036 9108 610 225 2941	LENS (FRESNEL)
11.	411 028 7900	SCREW,3X14MM (2 USED)
12.	711 UZO / 3UU	SOLITANOVITAININI (5 OSED)

# OPTICAL PARTS



Caution; \*.... Coating face of the mirror.

	KEY NO.	OPTICAL PARTS LIST PART NO.	DESCRIPTION
-	1.	610 225 2934	LENS(PROJECTION)
	2.	610 230 6026	MIRROR(DICHROIC B)
	3.		GREEN LCD PANEL ASSY
			(SEE LCD PANEL PARTS LIST)
	4.	610 225 2989	MIRROR(DICHROIC - G2)
	5.		BLUE LCD PANEL ASSY
	6.	610 225 3412	MIRROR(FOR RED)
$\Lambda$	7.		LAMP AND HOLDER ASSY (LP901A)
			(SEE ELECTRICAL PARTS LIST)
	8.	610 225 2958	GLASS(UV CUT FILTER)
	9.	610 230 6019	MIRROR(DICHROIC - R)
	10.	610 225 2972	MIRROR(DICHROIC G1)
	11.		RED LCD PANEL ASSY
			(SEE LCD PANEL PARTS LIST)
	12.	610 225 3429	MIRROR(FOR BLUE)

# **VOLTAGE & WAVEFORMS**

## 1. TR

	E(V)	C(V)	B(V)		E(V)	C(V)	B(V)		E(V)	C(V)	B(V)
Q0C1	6.1	0	6.7	Q131	0	11.6	0.1	Q843	0.8	0.8	1.5
Q0C2	0.3	11.8	0	Q132	0	0	5.2	Q844	0	0.1	0.8
Q0C3	2.4	11.8	3.1	Q151	11.3	4.0	10.8	Q847	0	10.5	0
Q0C4	11.8	0	11.8	Q152	3.3	10.9	3.9	Q848	0	10.2	0
Q0C5	0	11.7	0	Q152	11.3	4.0	10.8	Q861	0	4.0	0
Q0G1	3.0	11.8	3.6	Q153	2.6	11.7	3.0	Q871	0	0	0.1
Q0G2	3.0	11.8	3.6	Q171	3.2	11.8	3.6	Q872	0	5.0	0
Q0G3	0.1	0	0.1	Q172	3.2	11.8	3.6	Q221	0	4.6	0.2
Q0G4	0.1	0	0.1	Q173	3.2	11.8	3.6	Q2303	3.8	11.9	4.5
Q0P1	5.1	11.8	5.7	Q174	3.1	11.8	2.6	Q2304	1.3	11.9	1.9
Q021	6.8	11.8	6.7	Q175	3.2	11.8	2.6	Q2305	1.3	6.3	1.9
Q022	0	0	0.7	Q176	3.1	11.8	2.7	Q2306	5.7	11.9	6.3
Q023	0	10.7	0	Q177	2.6	11.8	3.2	Q2307	5.0	11.9	5.7
Q041	6.5	11.9	7.1	Q179	3.3	0	2.6	Q2313	3.8	11.9	4.5
Q042	6.4	11.8	7.0	Q181	0	0	0.7	Q2314	1.3	11.9	1.9
Q061	0	11.8	0.1	Q182	0	11.8	0	Q2315	1.3	6.3	1.9
Q062	0	11.8	0.1	Q183	0	5.3	0	Q2316	5.6	11.9	6.2
Q063	1.6	11.8	0.1	Q184	0	0	0.9	Q2317	5.0	11.9	5.7
Q069	5.0	11.6	5.7	Q801	0	0	5.0	Q2323	3.8	11.9	4.5
Q081	5.7	11.8	6.2	Q802	0	2.1	0.9	Q2324	1.3	11.9	1.9
Q082	5.7	11.8	6.3	Q803	0	0.1	2.8	Q2325	1.3	6.3	1.9
Q083	1.3	5.4	2.0	Q804	0	0.1	2.8	Q2326	5.7	11.9	6.3
Q084	0	0	0.7	Q805	0	0.1	2.8	Q2327	5.0	11.9	5.7
Q1A1	3.7	11.8	4.3	Q806	0	5.0	0	Q251	8.3	0	7.6
Q1F1	11.0	11.8	11.7	Q821	5.0	10.4	5.7	Q252	7.1	15.0	7.6
Q1F2	0	0	11.1	Q824	4.4	5.0	5.0	Q253	7.7	14.8	8.3
Q1F3	0	0	0	Q829	0	9.4	0	Q254	7.6	0.2	7.1
Q1F4	0	0	0	Q831	0	0.1	9.4	Q261	8.3	0	<b>7</b> .7
Q1F5	9.4	11.0	0	Q842	0.1	0.2	0.9	Q262	7.2	14.9	<b>7</b> .7

	E(V)	C(V)	B(V)		E(V)	C(V)	B(V)	E(V)	C(V)	B(V)
Q263	7.8	14.8	8.3	Q482	0	0.1	0			
Q264	7.7	0.2	7.1	Q483	0	4.3	0			
Q271	8.3	0	7.6	Q484	0	0.1	0.2			
Q272	7.1	15.0	7.7	Q501	5.2	11.9	5.9			
Q273	7.7	14.8	8.3	Q502	0.5	11.9	0.7			
Q274	7.6	0.2	7.1	Q503	6.5	0	6.2			
Q281	7.4	15.0	7.4	Q504	7.2	0	6.2			
Q282	7.4	0	7.4	Q505	1.3	6.2	1.6			
Q283	7.5	14.9	7.5	Q551	<b>– 16.1</b>	- 6.5	- 15.5			
Q284	7.5	0	7.5	Q561	<b>– 16.1</b>	- 6.3	- 15.5			
Q285	7.5	15.0	7.5	Q571	<b>– 16.1</b>	- 6.0	- 15.5			
Q286	7.5	4.6	7.5							
Q301	- 1.0	9.2	- 0.4							
Q302	- 1.6	6.7	- 1.0							
Q303	6.1	9.2	6.7							
Q304	5.4	9.2	6.1							
Q305	2.6	9.2	3.3							
Q306	2.0	0	1.3							
Q307	1.0	9.2	- 0.4							
Q308	- 1.0	9.2	- 0.4							
Q309	3.7	9.2	4.4							
Q310	2.6	0	1.9							
Q311	3.8	9.2	4.5							
Q312	3.3	0	2.6							
Q401	0	5.1	- 1.0							
Q421	2.0	0	1.4							
Q422	3.1	0	2.5							
Q470	0	0	0.7							
Q481	0	0	0.7							

# 2. IC

Pin	V	Pin	V	Pin	V	Pin	V
ICC	001	7	11.7	13	5.7	5	11.2
1	4.6	8	2.5	14	5.7	6	11.3
2	0	ICC	)41	15	5.7	7	0
3	4.7	1	0	16	11.7	8	11.4
4	0	2	0	IC	052	9	23.6
5	6.7	3	0	1	3.1	IC.	1A1
6	0	4	11.7	2	0	1	0.3
7	4.6	5	7.7	3	3.1	2	1.1
8	10.7	6	0	4	4.7	3	5.0
9	6.7	7	7.8	5	11.7	4	7.7
10	0	8	7.1	IC	061	5	4.0
11	6.9	9	11.7	1	0	6	6.8
12	4.9	10	7.7	2	0	7	4.8
13	4.9	11	7.0	3	0	8	2.9
14	4.9	12	7.8	4	0	9	0
15	3.6	IC	051	5	7.8	10	1.8
16	3.6	1	0	6	0	11	0
17	4.9	2	5.7	7	7.7	12	0.7
18	4.9	3	5.7	8	7.0	13	11.7
19	4.9	4	5.7	9	11.7	14	3.3
20	3.6	5	5.1	10	7.7	15	4.6
IC	002	6	0	11	7.0	16	9.3
1	0	7	0	12	7.8	17	1.6
2	2.8	8	0	IC	091	18	6.3
3	11.7	9	11.7	1	11.7		
4	9.2	10	0	2	5.3		
5	11.1	11	11.7	3	0		
6	2.9	12	0	4	2.8		

Pin	V	Pin	V	Pin	V	Pin	V
IC1	K1	11	2.4	10	1.7	9	2.8
1	0	12	7.8	11	0.6	10	2.8
2	2.1	13	11.6	12	3.5	11	0
3	4.7	14	5.8	13	8.4	12	5.1
4	2.9	15	3.3	14	8.3	13	0
5	0.7	16	8.0	15	7.0	14	5.1
6	0	17	3.0	16	3.3	15	0
7	0	18	7.8	17	7.2	16	5.1
8	0	19	0	18	0	17	5.1
9	1.3	20	5.6	19	2.7	18	0
10	4.7	21	7.3	20	4.9	19	0
11	4.7	22	4.2	21	4.7	20	0
12	3.4	23	0	22	4.5	21	0
13	1.3	24	1.7	23	4.7	22	0
14	0	25	0.1	24	0	23	5.1
15	1.4	26	0.1	25	6.2	24	5.1
16	4.7	27	0.1	26	3.9	25	5.1
IC.	101	28	5.8	27	0	26	5.1
1	7.5	IC <sup>-</sup>	102	28	0	27	0
2	8.2	1	3.6	IC	301	28	2.3
3	7.5	2	5.0	1	5.1	29	5.1
4	4.7	3	3.6	2	5.1	30	2.2
5	5.3	4	5.4	3	5.3	31	2.4
6	8.2	5	3.6	4	5.1	32	0
7	5.1	6	11.7	5	5.1	33	4.6
8	4.7	7	11.7	6	0	34	5.1
9	0	8	3.3	7	2.8	35	5.1
10	2.4	9	9.9	8	2.8	36	5.1

Pin	V	Pin	٧	Pin	V	Pin	V
IC801		64	5.1	14	5.0	14	4.0
37	5.1	IC802		15	3.2	15	4.5
38	5.0	1	5.0	16	11.1	16	0.8
39	5.0	2	5.0	IC851	/852	17	2.9
40	5.0	3	0	1	0	18	2.9
41	5.0	IC8	03	2	0.6	19	3.7
42	0	1	5.1	3	0.8	20	<b>– 8.1</b>
43	0	2	5.1	4	5.1	21	0.5
44	0	3	5.1	5	0	22	5.1
45	0	4	5.1	6	0	23	5.1
46	0	5	0	7	11.9	24	5.1
47	0	6	5.1	8	11.9	25	4.2
48	5.0	7	5.1	9	0.8	26	2.5
49	0	8	5.1	10	0.6	27	- 7.3
50	0	IC	304	IC	201	28	0
51	0	1	5.1	1	3.0	29	0
52	0.9	2	0.1	2	3.6	30	2.9
53	0	3	0.1	3	2.0	31	2.9
54	0	4	0	4	4.7	32	2.9
55	0.1	5	0	5	0	33	0.8
56	0.1	6	0.1	6	3.0	34	4.6
57	0	7	9.3	7	4.0	35	0
58	0	8	0	8	3.1	36	1.7
59	0.1	9	0.3	9	2.6	37	1.8
60	0.1	10	5.0	10	3.1	38	1.9
61	0.1	11	5.0	11	5.1	39	0
62	5.1	12	7.8	12	3.1	40	- 1.8
63	4.2	13	5.0	13	2.1	41	0

Pin	V	Pin	V	Pin	V	Pin	٧
IC201		IC2301/2	302/2303	5	2.7	33	4.5
42	- 1.7	1	0	6	0	34	0
43	0.1	2	1.7	7	1.8	35	5.1
44	- 1.6	3	1.6	8	1.4	36	5.1
45	- 8.1	4	1.5	9	1.6	37	1.3
46	0.1	5	1.5	10	2.0	38	2.2
47	2.6	-6	1.4	11	1.3	39	2.7
48	5.1	7	2.4	12	2.2	40	1.4
49	3.6	8	2.0	13	2.6	41	1.8
50	0	9	1.3	14	1.4	42	1.6
IC	202	10	2.6	15	1.5	IC2	314
1	3.5	11	0	16	1.5	1	0
2	2.5	12	0	17	1.6	2	2.2
3	2.5	13	5.1	18	1.7	3	2.6
4	- 8.1	14	5.1	19	2.4	4	1.3
5	7.4	15	1.7	20	2.5	5	2.7
6	7.4	16	2.4	21	2.4	6	4.8
7	7.4	17	3.9	22	0	7	0.9
8	15.0	18	3.9	23	5.1	8	4.7
IC	203	19	3.1	24	2.8	9	2.6
1	7.5	20	5.1	25	5.1	10	0
2	7.5	21	5.1	26	4.1	11	0
3	7.5	22	0	27	4.1	12	4.7
4	- 8.1	IC2	313	28	0	13	0.9
5	7.5	1	2.6	29	4.5	14	4.8
6	7.5	2	1.6	30	0	15	2.2
7	7.5	3	1.3	31	4.5	16	2.3
8	15.0	4	2.2	32	0	17	2.2

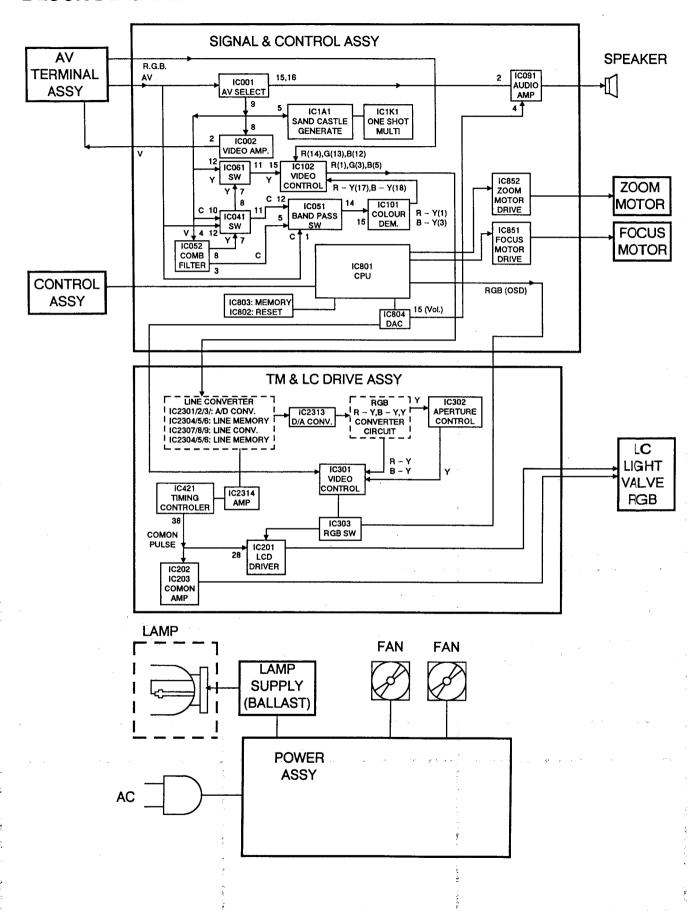
Pin	V	Pin	٧	Pin	٧	Pin	V
IC2	314	24	4.1	IC4	02	16	0
18	2.7	25	4.6	1	19.5	17	2.3
19	0	26	3.9	2	15.0	18	2.3
20	5.1	27	6.5	3	0	19	2.3
ICS	301	28	9.2	IC4	103	20	2.3
1	0.2	IC3	302	1	- 12.6	21	2.5
2	0.1	1	2.4	2	- 8.1	22	2.4
3	0.2	2	4.5	3	0	23	0
4	7.7	3	4.1	IC4	104	24	5.1
5	4.0	4	0	1	11.9	25	0
6	4.0	5	2.4	2	9.2	26	2.7
7	5.6	6	9.2	3	0	27	2.7
8	5.2	7	6.3	IC4	421	28	5.0
9	0	IC	303	1	0	29	4.0
10	1.3	1	3.6	2	3.1	30	4.0
<b>1</b> 1	3.8	2	3.6	3	3.2	31	3.7
12	3.5	3	3.6	4	4.6	32	0
13	7.0	4	0.1	5	4.6	33	5.0
14	4.1	5	3.6	6	4.6	34	5.0
15	3.6	6	3.6	7	0	35	0.3
16	5.2	7	0	8	0	36	0
17	3.6	8	3.7	9	0	37	0.1
18	5.2	9	11.9	10	0	38	2.6
19	3.6	10	0	11	0	39	0.2
20	5.4	11	2.7	12	0	40	5.1
21	0	12	0	13	0	41	4.6
22	1.4	13	3.0	14	5.0	42	4.5
23	2.7			15	0	43	4.2

Pin	V	Pin	V	Pin	V	Pin	V
IC421		6	5.1	IC	501		
44	4.5	7	0	1	1.3		
45	0	8	2.6	2	0.5		-
46	2.2	9	2.7	3	0.5		
47	2.2	10	5.1	4	- 8.1		
48	0.8	11	0	5	0.5		
49	0.3	12	5.1	6	0		
50	1.5	13	0	7	11.4		
51	0	14	5.1	8	11.9		
52	0	IC4	180				
53	5.1	1	0.2				
54	5.1	2	5.1			!	
55	4.8	3	5.1				
56	4.7	4	4.3				
57	0	5	0.2				
58	0.9	6	5.0				
59	2.5	7	0.8				
60	1.3	8	0				
61	2.1	9	0.2				:
62	4.3	10	0				
63	0.1	11	5.1				
64	5.1	12	4.3				
IC	2423	13	0.2				
1	2.6	14	5.0				
2	2.7	15	0				
3	2.7	16	5.1				
.4	2.7						
5	0						

## 3. WAVEFORMS

IC101 15Pin (TP 1A)	IC101 1Pin (TP RY)	IC101 3Pin (TP BY)		
0.2Vpp (H)	0.2Vpp (H)	0.2Vpp (H)		
IC102 1Pin	IC102 3Pin	IC102 5Pin		
4Vpp (H)	4Vpp (H)	4Vpp (H)		
Q2303 — B (TP 1B)	Q2313 - B (TP 1G)	Q2323 - B (TP 1R)		
0.8Vpp (H)	0.8Vpp (H)	0.8Vpp (H)		
TP 22R	TP 22G	TP 22B		
1.2Vpp (H)	1.2Vpp (H)	1.2Vpp (H)		

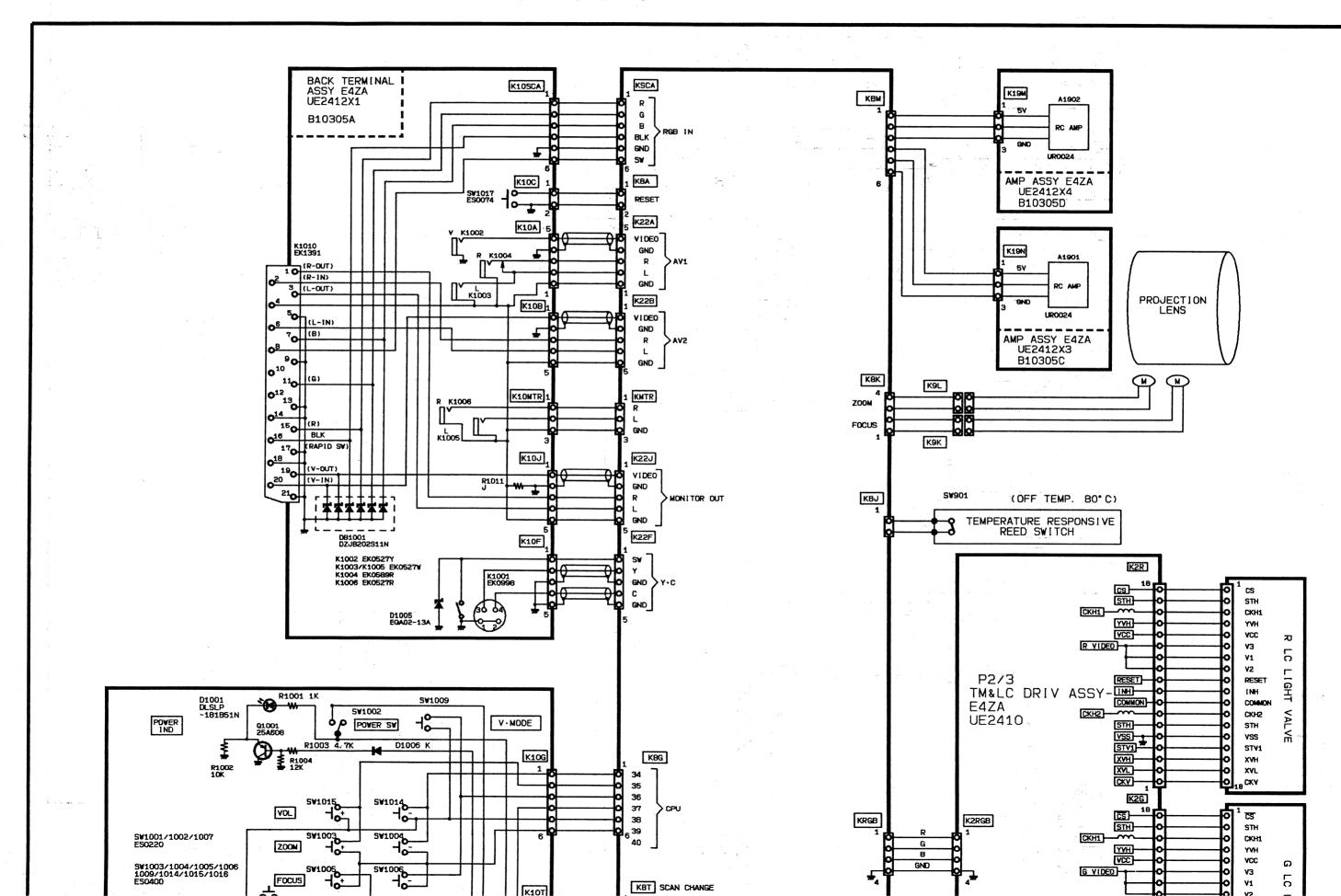
#### **BLOCK DIAGRAM**



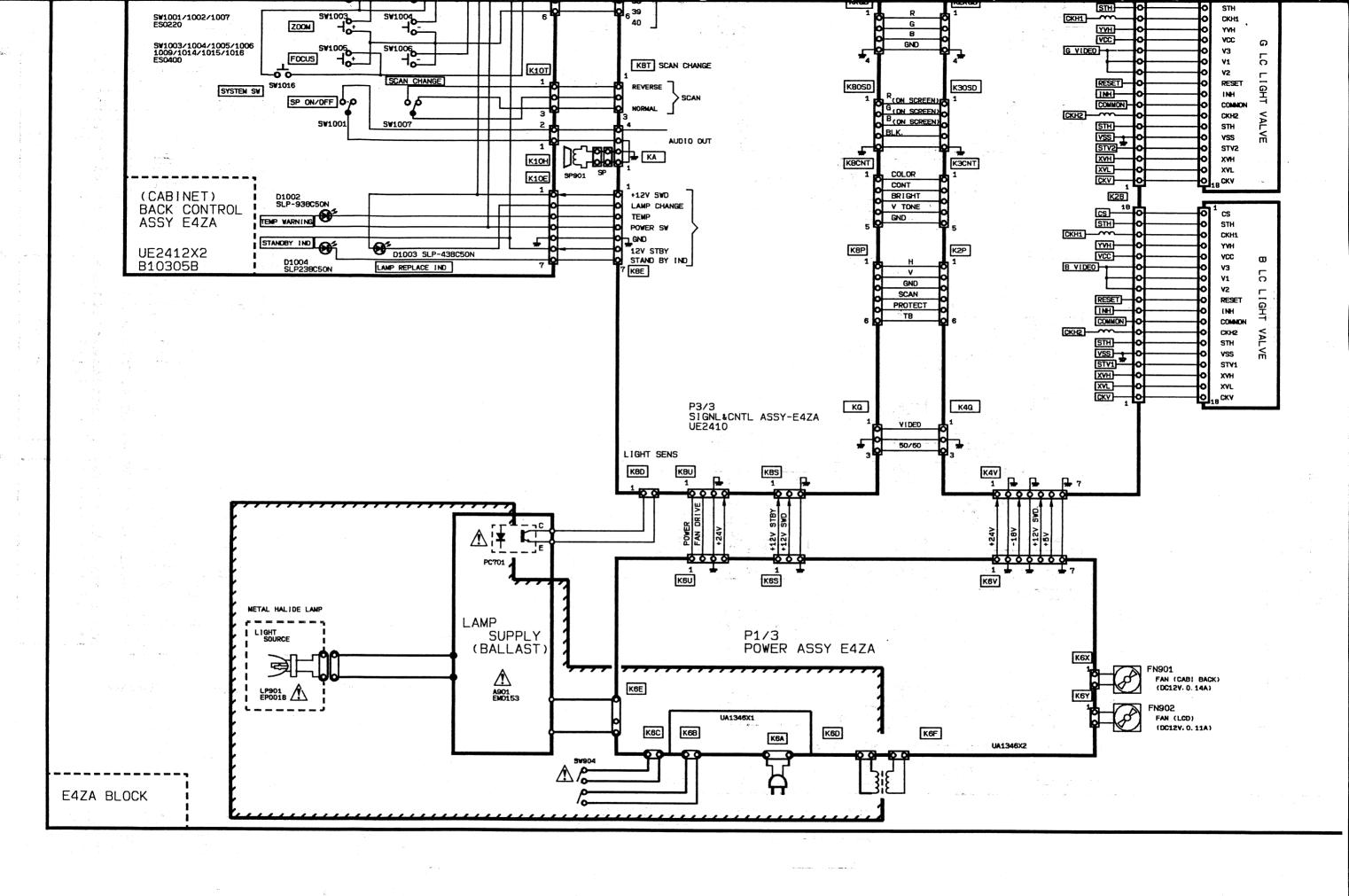
# MODEL PLC-100P/PLC-100PB/PLC-100PP

Chassis No.PJP1

## **SCHEMATIC DIAGRAMS**







THE COMPONENTS DESIGNATED BY A MARK( $\Lambda$ ) IN THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A MARK NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

#### **SERVICE NOTES:**

- 1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
- 2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8") from circuit board.
- 3. Keep wires away from high voltage and high temperature components.

#### NOTES ON SCHEMATIC DIAGRAM

Specification of capacitor and resistors will be shown with Read resistor codes as follows: coded symbols, reading code symbols following the chart 1. All resistance values are indicated in ohms: K=1,000. and notes. Some capacitor and resistors will be shown directly with values and no other information. Detailed 2. All resistance values are 1/6W, ± 5% unless otherwise information on each capacitor and resistor will be shown in the list.

NOTE: DO NOT REPLACE OR ORDER RESISTOR AND CAPACITOR PARTS FOLLOWING THE SPECIFI- Read capacitor codes as follows: GRAMS.

ALWAYS CHECK FOR THE CORRECT SPECIFI- 2. For capacitors (electrolytic) identified with -#-, values are CATIONS IN THE PARTS LIST, ESPECIALLY FOR CRITICAL COMPONENT MARKED A. SPECIAL ATTENTION MUST BE GIVEN TO CRITICAL COMPONENTS.

- M=1.000.000.
- identified with the code. Read wattage, material and tolerance codes following the chart.

- CATIONS SHOWN IN THE SCHEMATIC DIA- 1. For capacitors identified with with -II-, values less than 1 are expressed in  $\mu$ F, values more than 1 are in pF.
  - expressed in  $\mu$ F.

	SANYO NO.	2SC536	2SC945A	2SC1815	2SC1740	2SC17409
A	70T00214	E.F.G	P.Q.R	0. Y. G	Q. R. S	- Q. R. S
В	70T00083	E.F.G	P. Q. R	0, Y, G	Q, R, S	
C	7QT00422	F. G	P. Q:	Y. G	Q. R. S	Q. R. S
D	70T00128	F, G	P. Q	Y, G	Q. R. S	
E	70T00423	F. G	<b>p</b>	G	R. S	R. S
F	70T00168	F. G	P	G	R, S	

٠(	DIODE	_ )	
- 1		SANYO NO.	
- 1		7ED00181	151555. 152473. 152076. 155133. DS442. 155176
	K	7E100007	1S1555, 1S2473, 1S2076, DS442
	L	7E100028	1S1553, 1S2076A, 1S2471
- 1	М	7ED00025	1SS176, GMA01, 1SS133
1	N	70000020	1S1555. 1S2473. 1S2076. 1SS133. DS442. 1SS176. 1N4148
-	Р	7DD00021	1S1553, 1S2076A, 1S2471, 1N4148

VCC ٧3 ٧2 RESET COMMON CKH2 STH VSS STV1 XVL 18 CKY

> STH CKH1

٧2 RESET COMMON STH

VSS

	(אוייאמי					
1	SANYO NO.	2SA608	2SA564A	2SA1015	2SA933	2SA933S
 Z	7QT00418	E.F	Q. R	0. Y. G	Q.R	Q. R
Y	7QT00419	E.F.	Q. R	0. Y. G.	Q. R	
X	7QT00420	F	R	Y. G	R	R
v	70100421	F	P	- Y. G	R	

K6E

POWER ASSY-E4ZA-A UA1346X2

K6Y 1

K6Y 1

K6X

K6S

K6U 1

C632 25EM 2200

+247

-18V

+12V

+5V]-

0606 25B1274(Q, R)

R626 ≸

D619 ERA15

\* L612 2MH

R627 4. 7K

C634 FJ0. 1 <sub>K</sub>

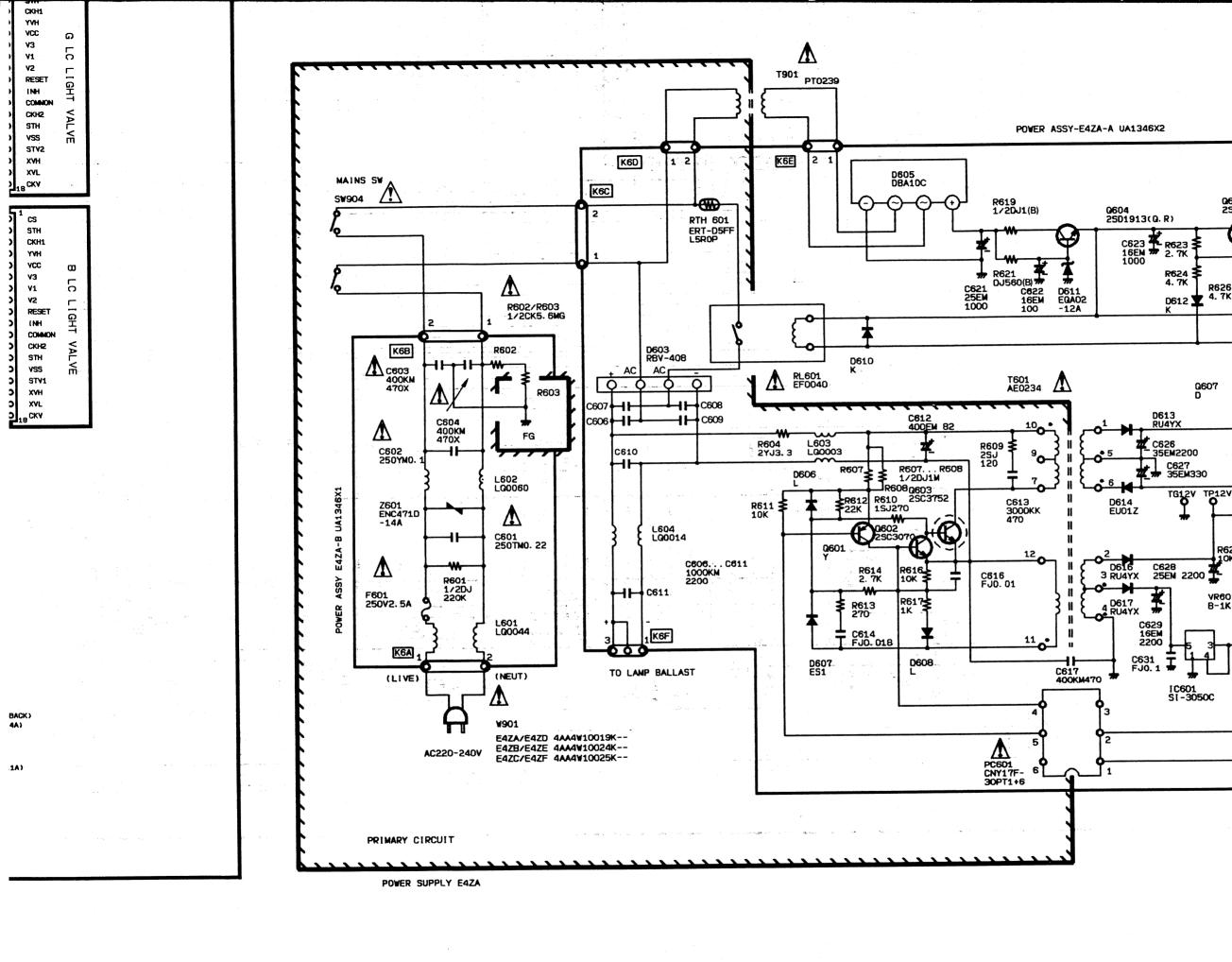
10602 R630 1093J

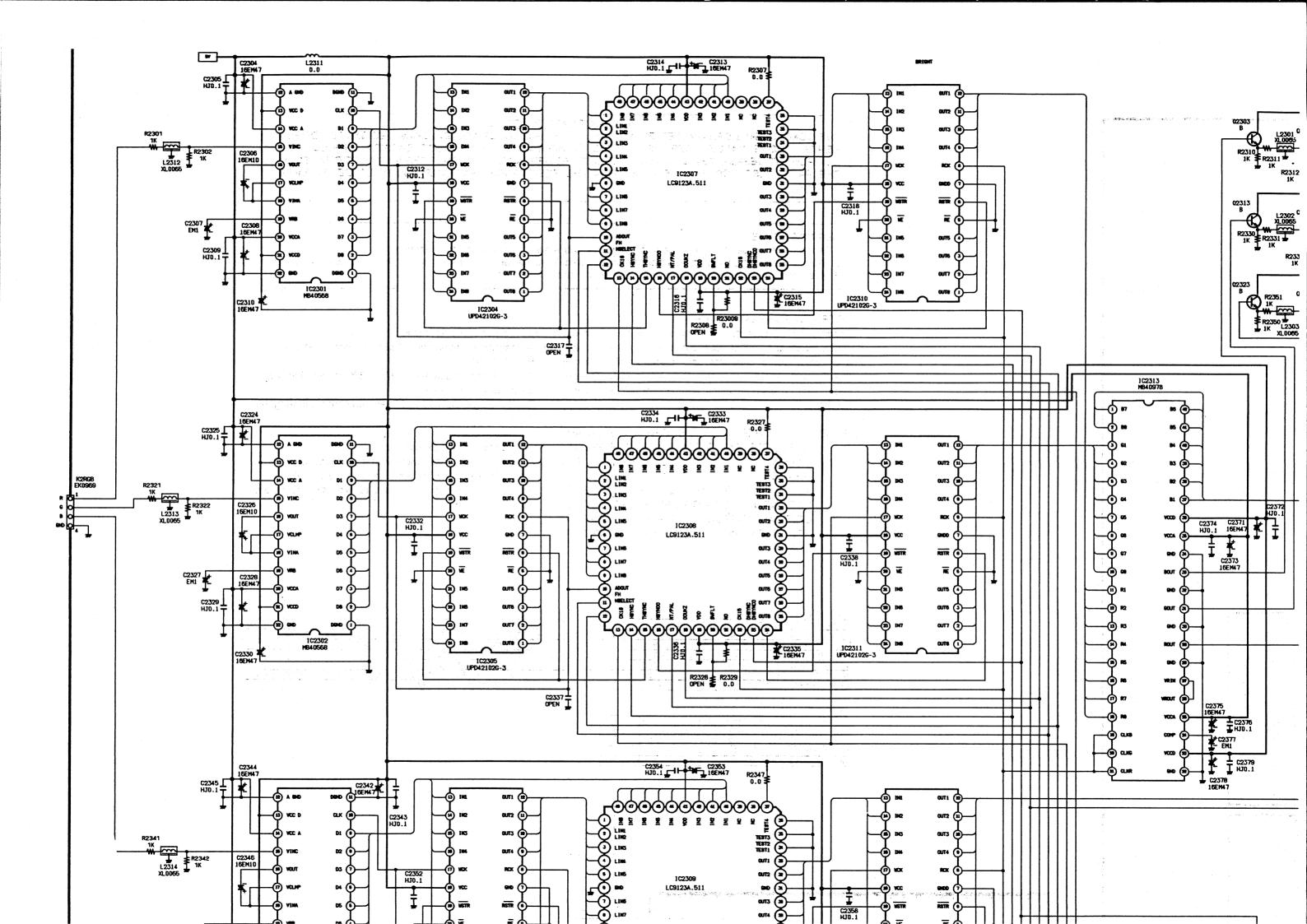
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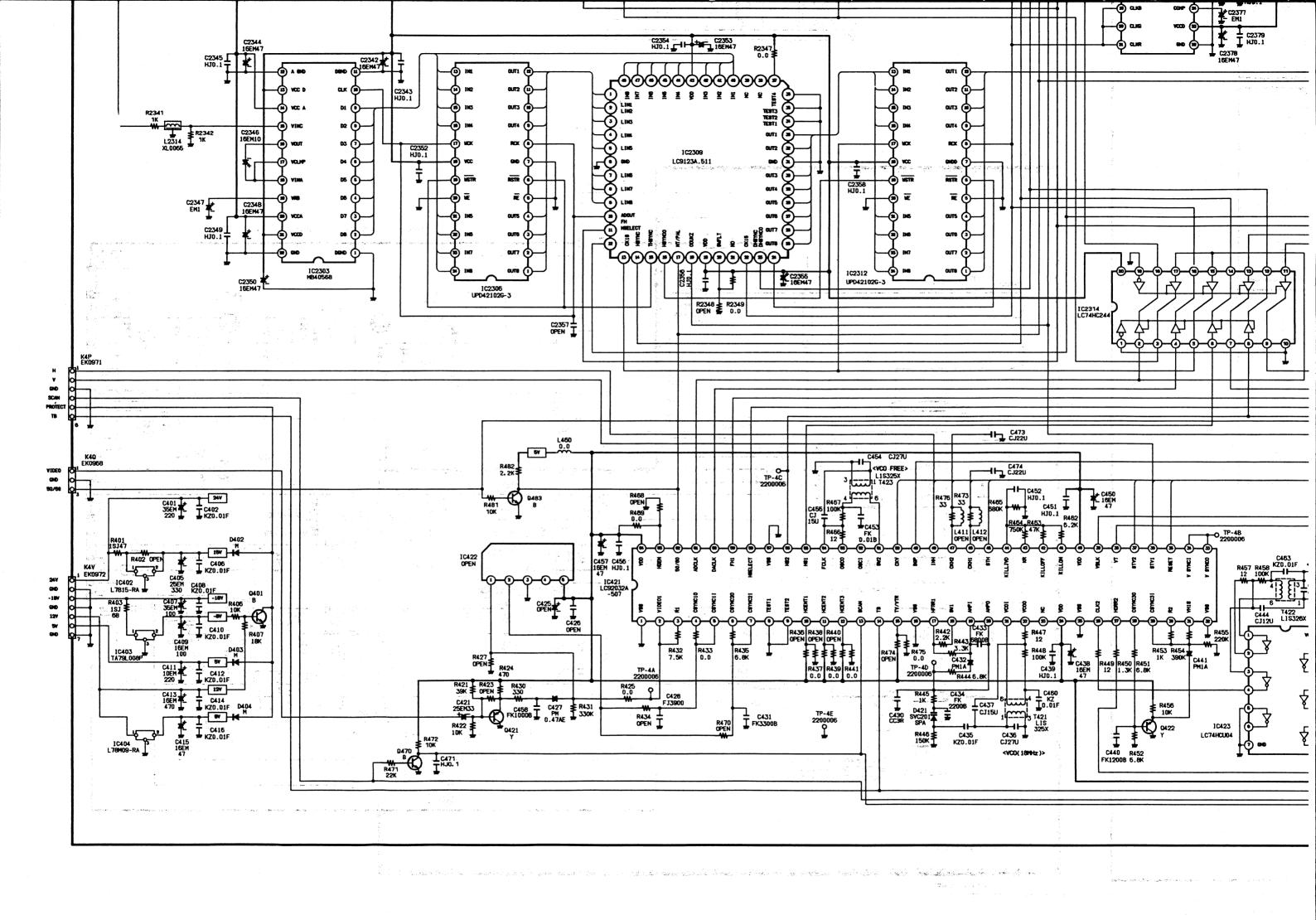
C636 10EM 1000

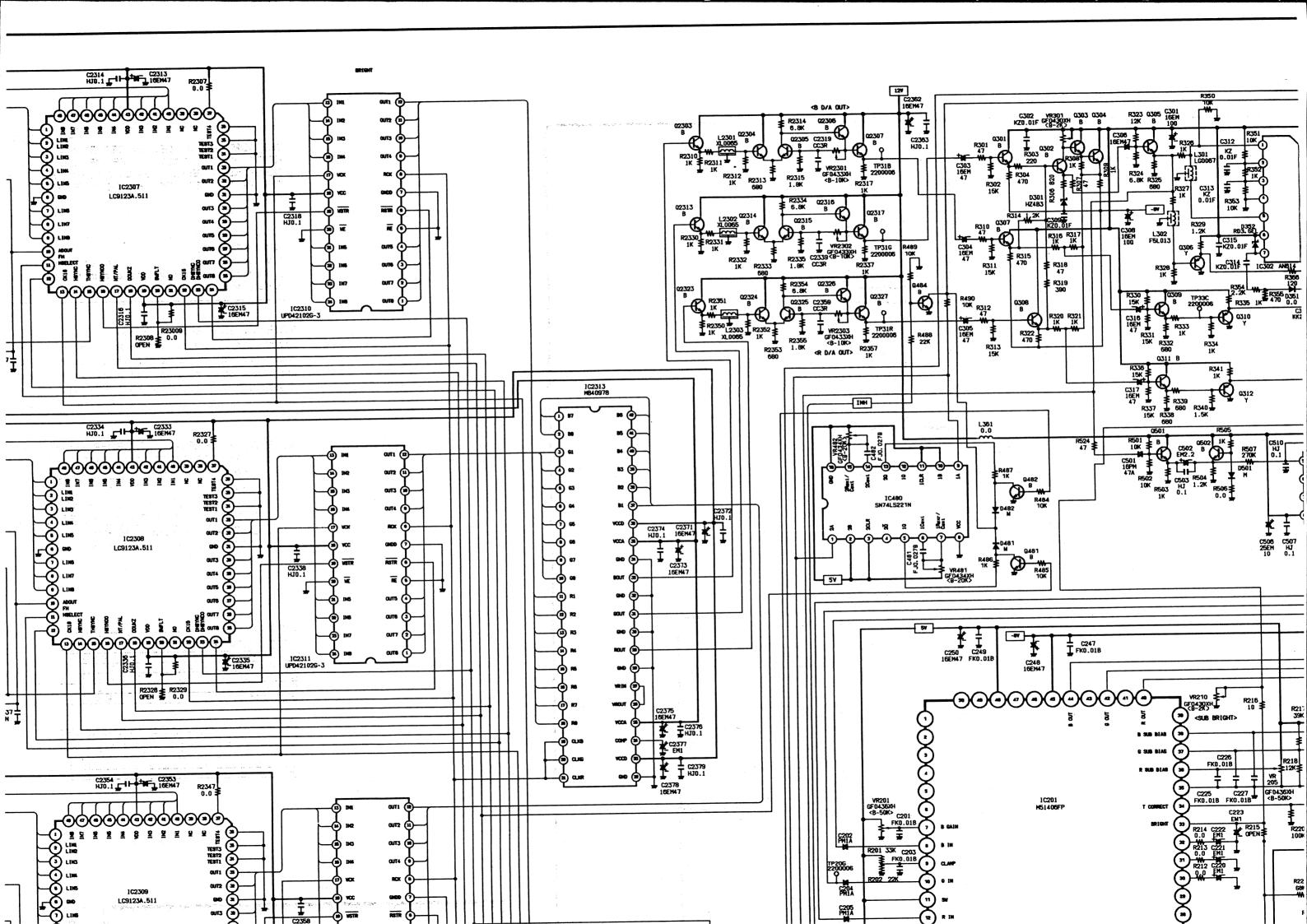
VR601 B-1K



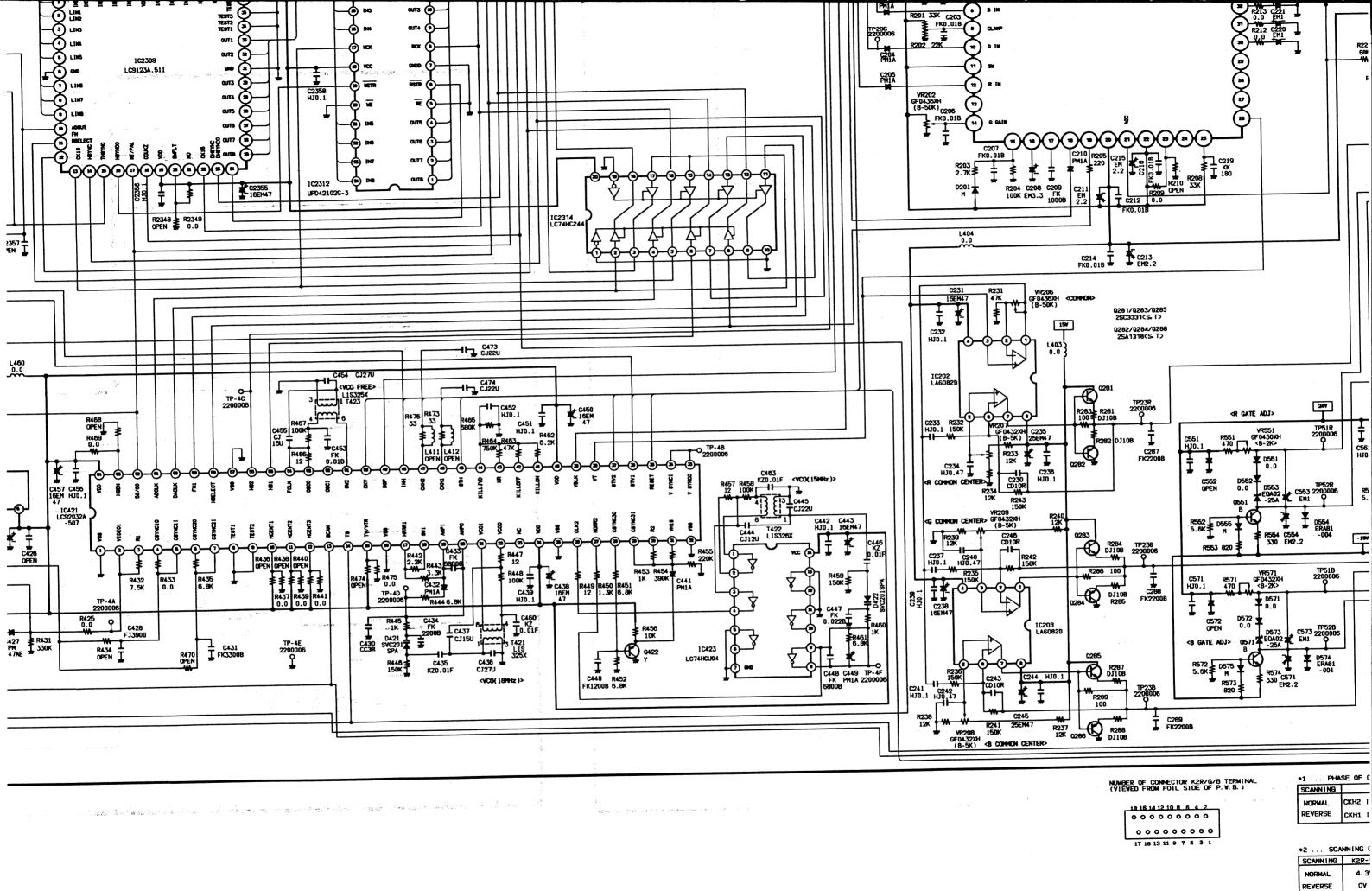








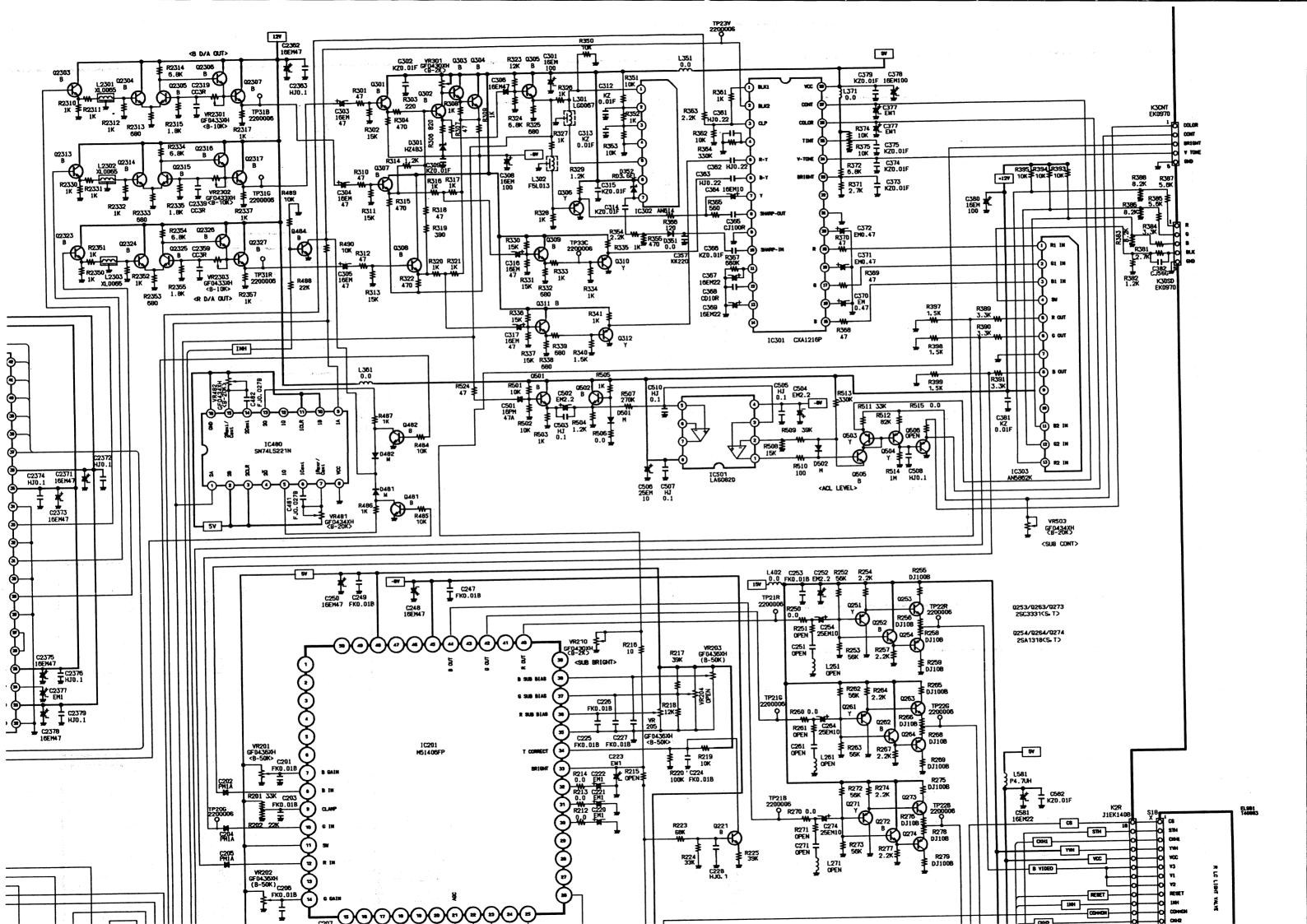


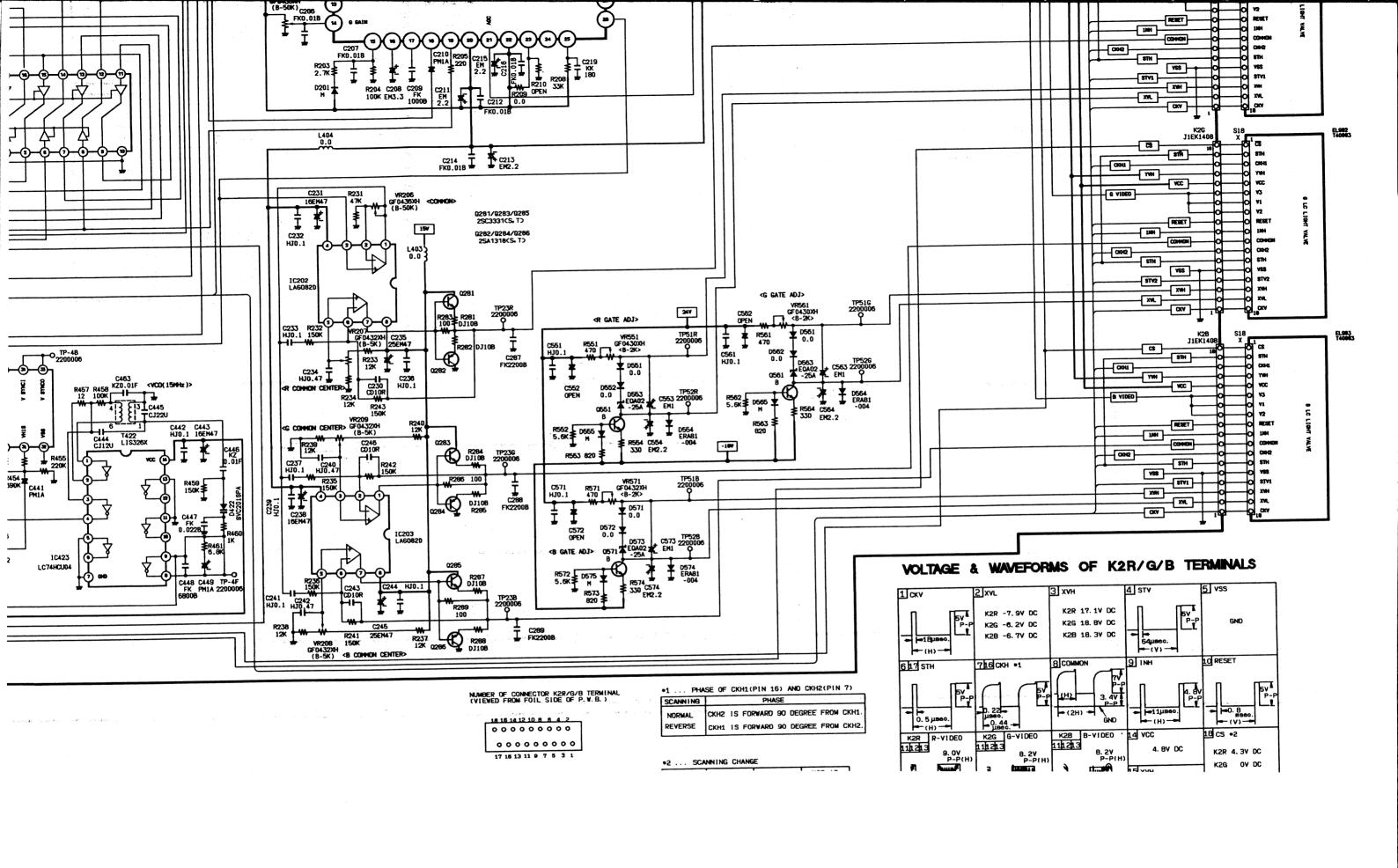


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**- 80 -**

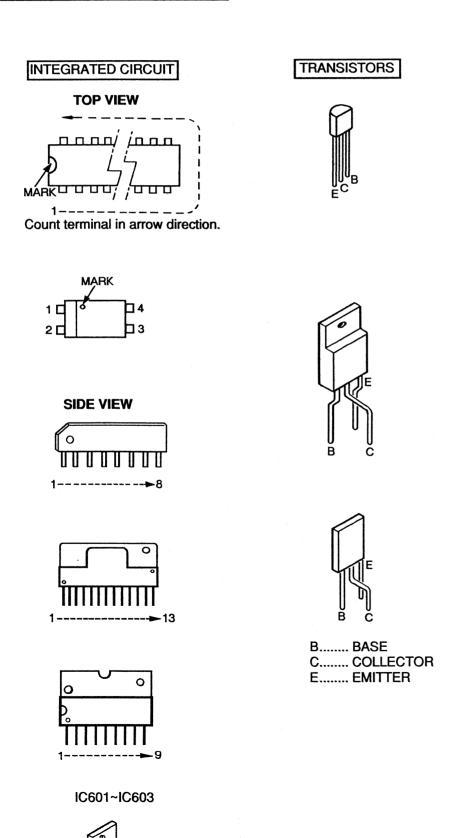


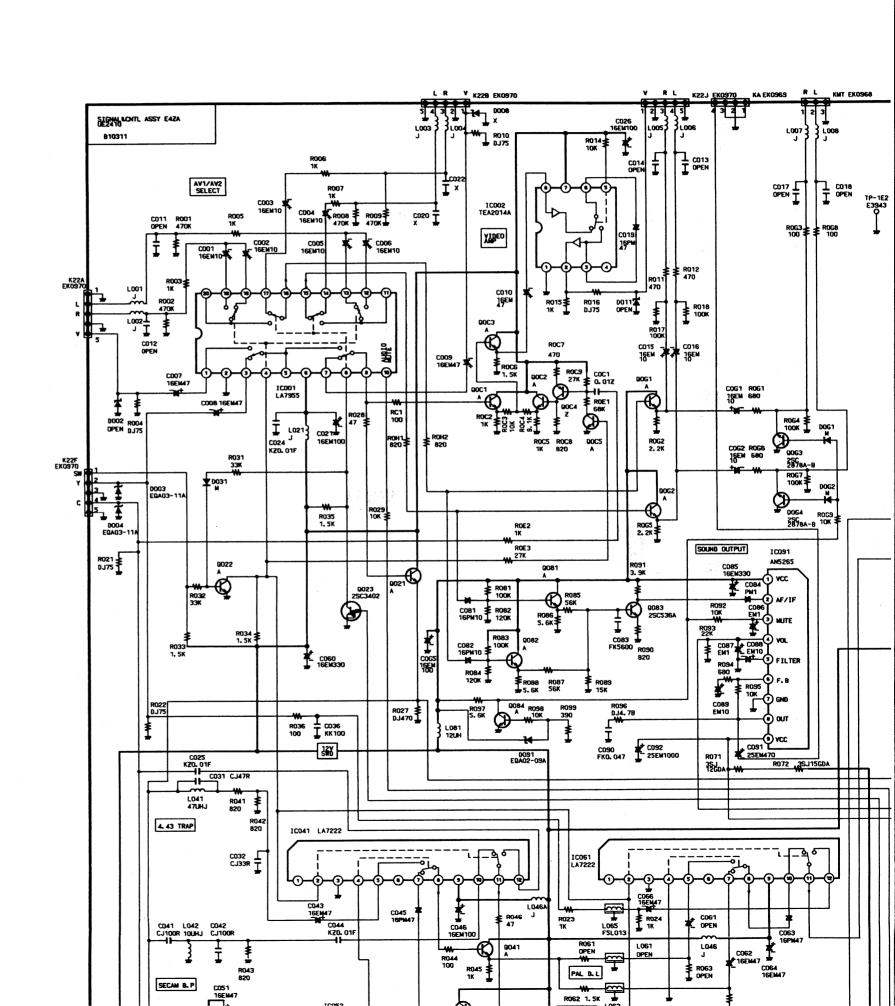


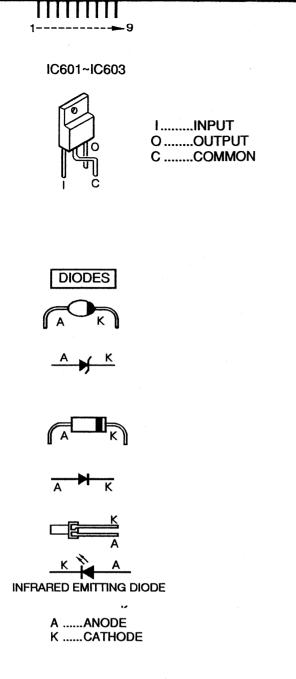
# MODEL PLC-100P/PLC-100PB/PLC-100PP

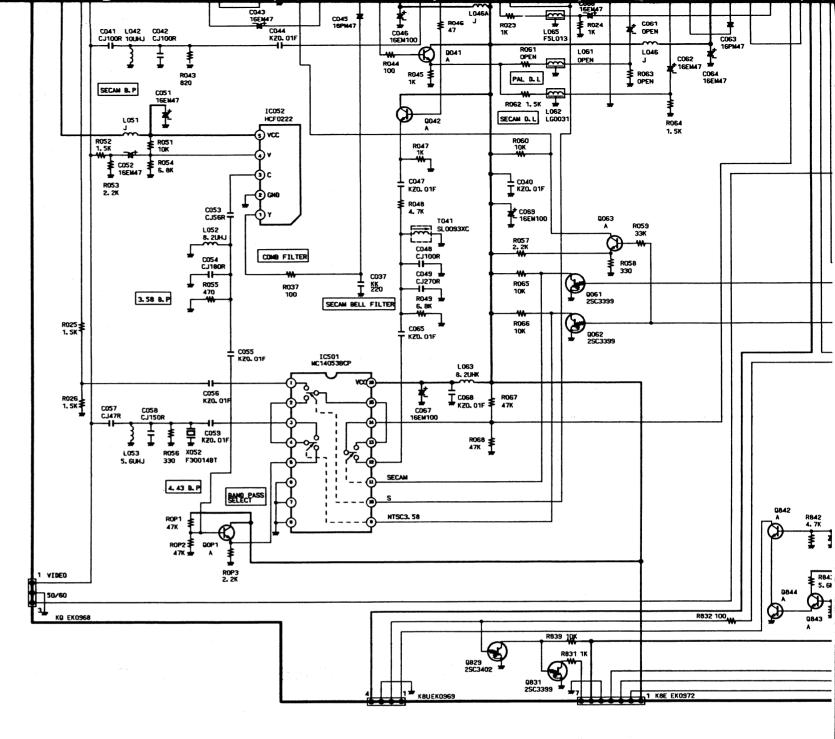
Chassis No.PJP1

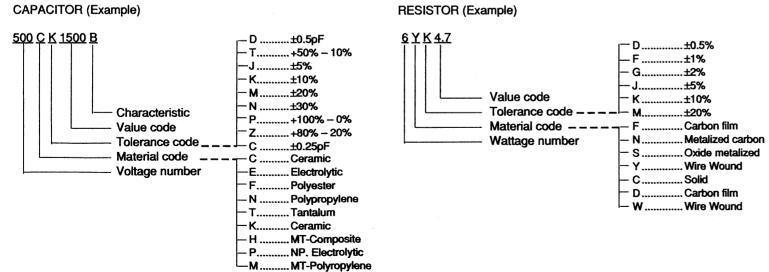
### **SEMICONDUCTORS BASING**



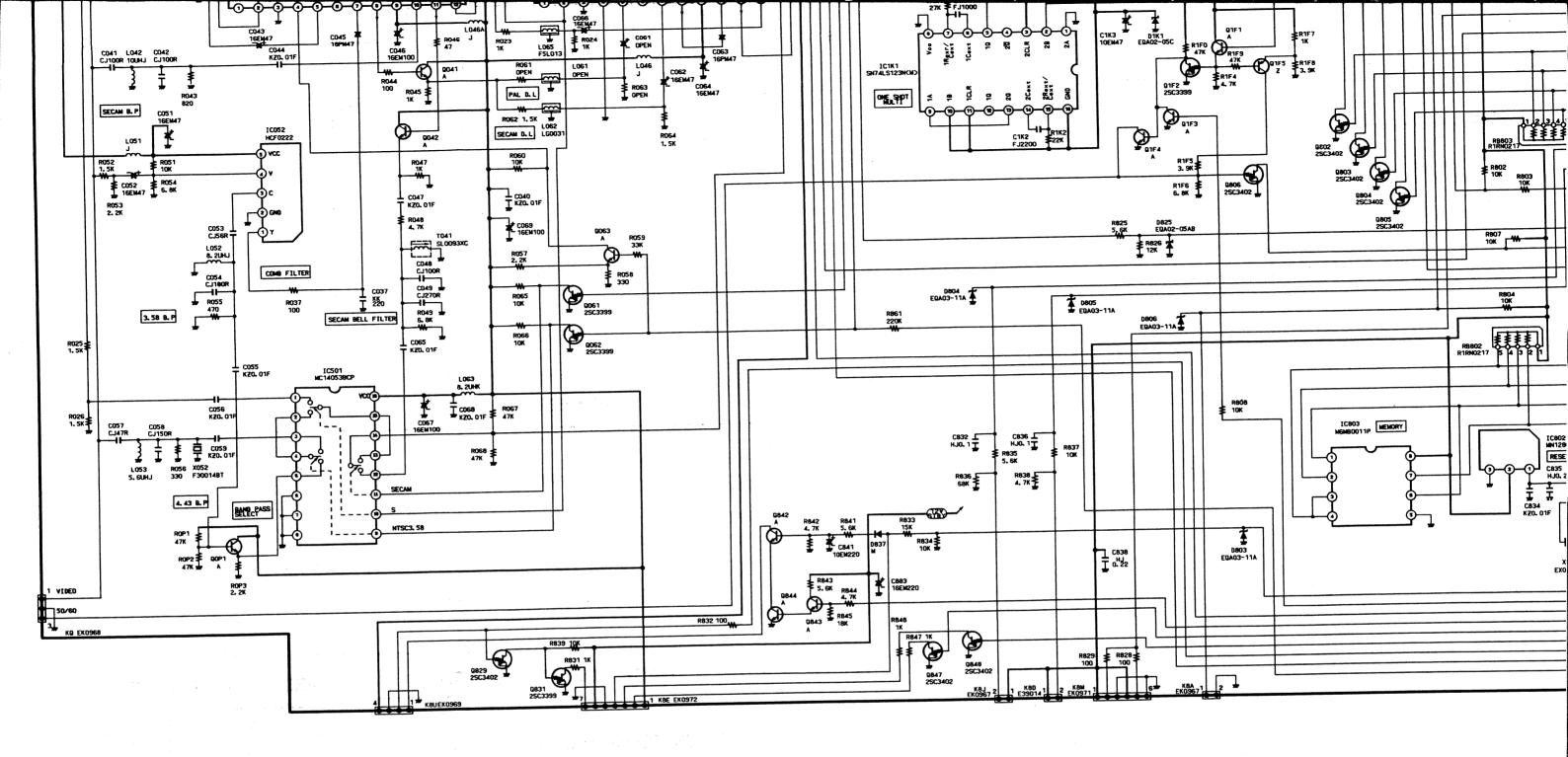




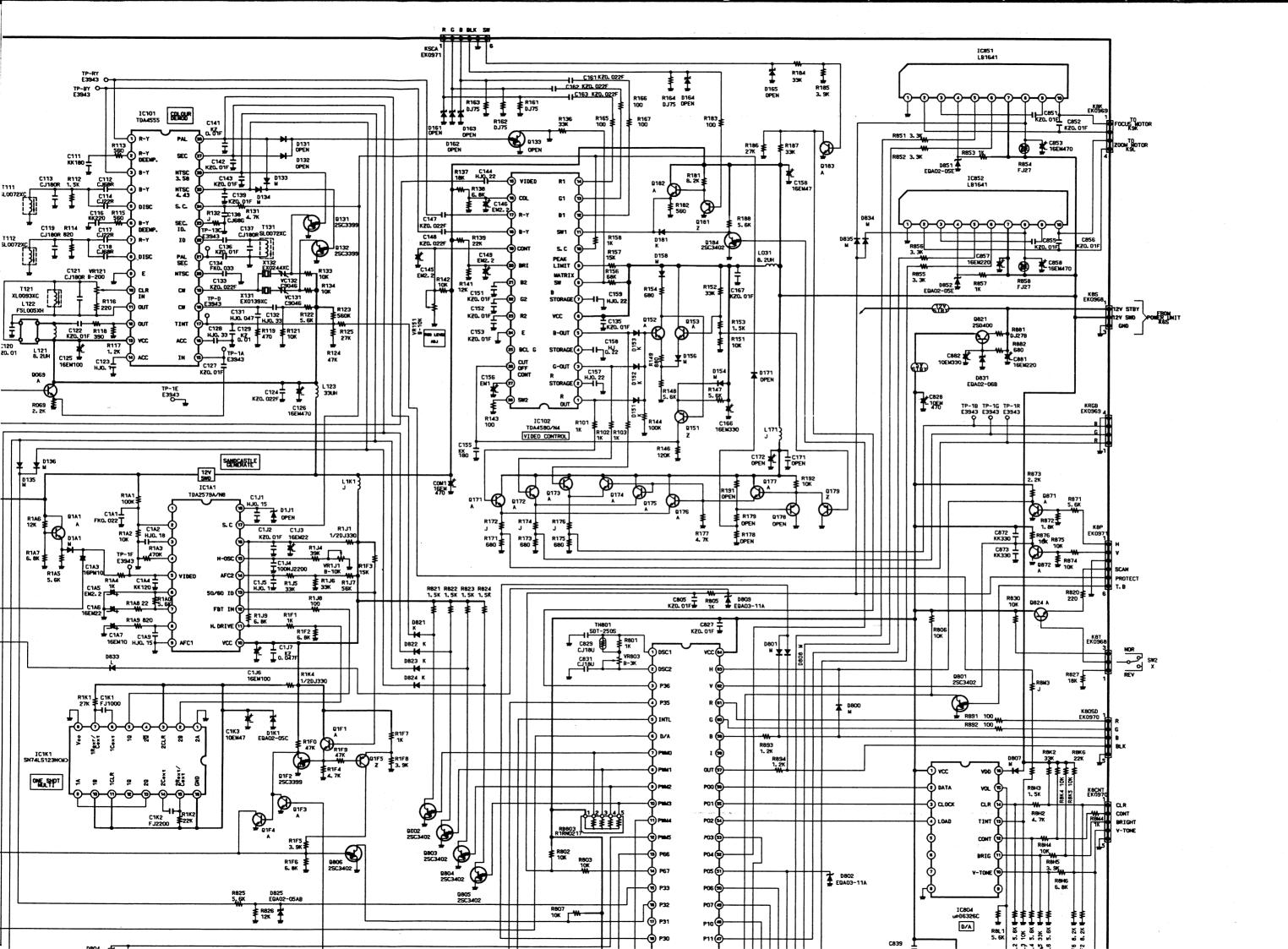


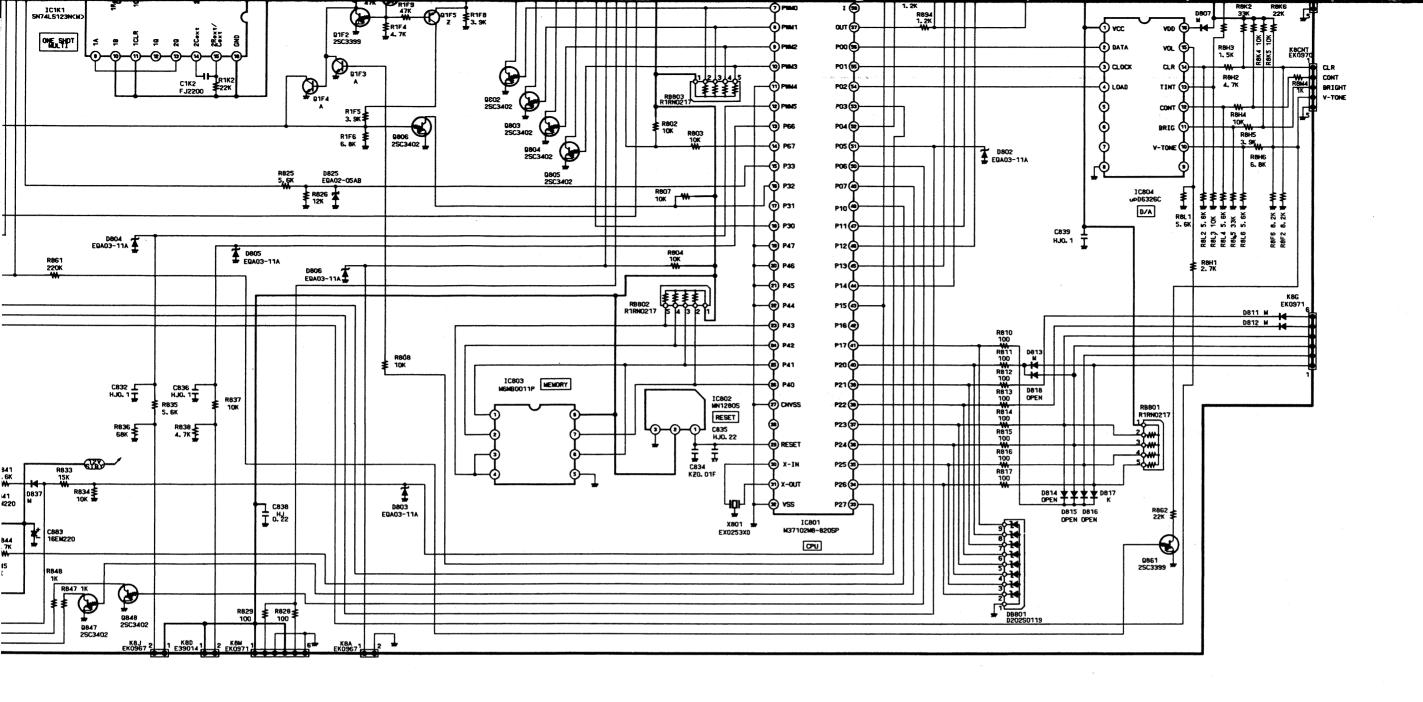


SECAM B. P

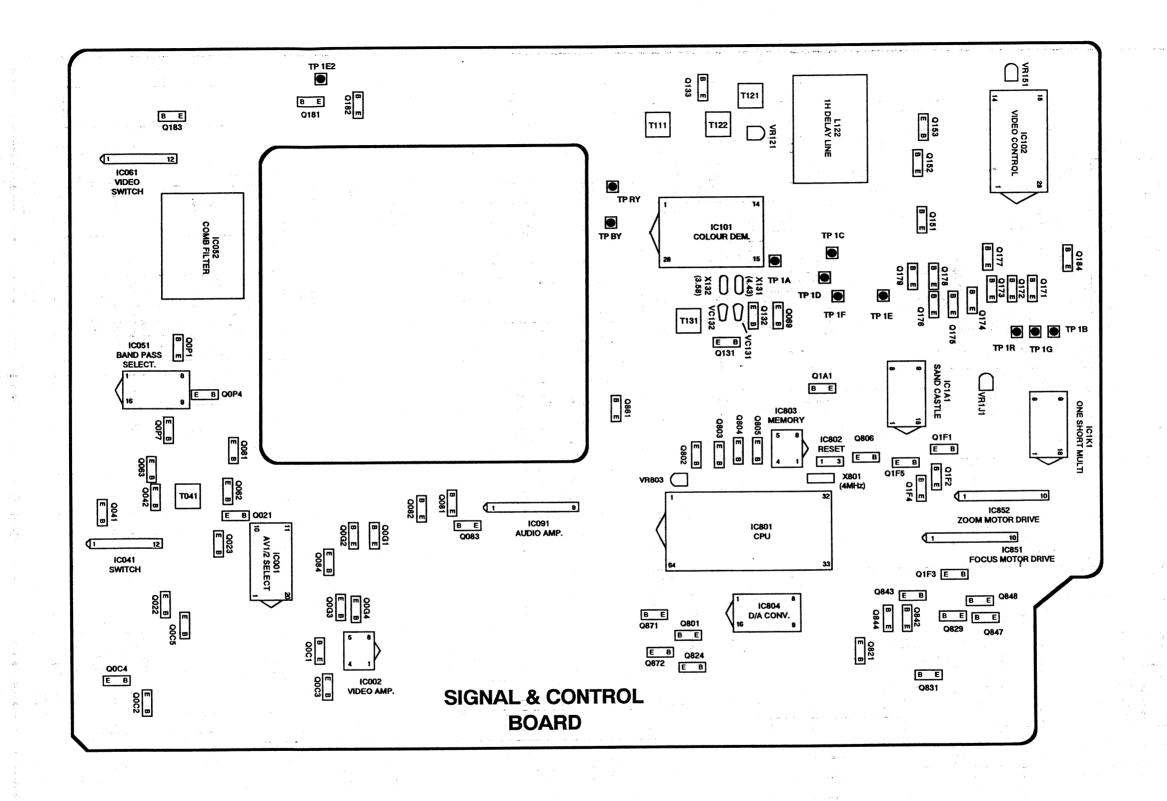


1 ........±0.5%
1 .......±1%
2 ......±2%
1 .....±5%
2 .....±10%
2 ......±20%
3 .......Carbon film
3 ......Metalized carbon
3 ......Oxide metalized
4 ......Wire Wound
5 ......Solid
6 ......Solid
7 ......Wire Wound
8 ......Wire Wound
9 ......Wire Wound





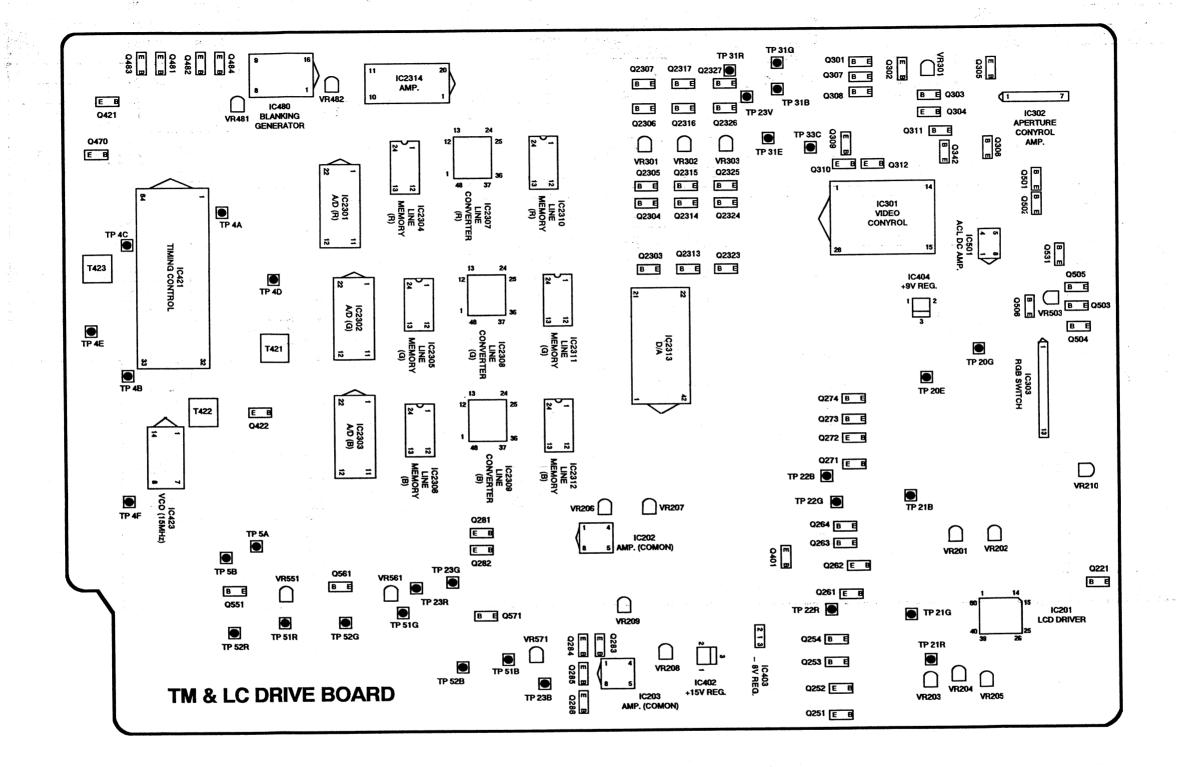
0484 0482 0481 0483



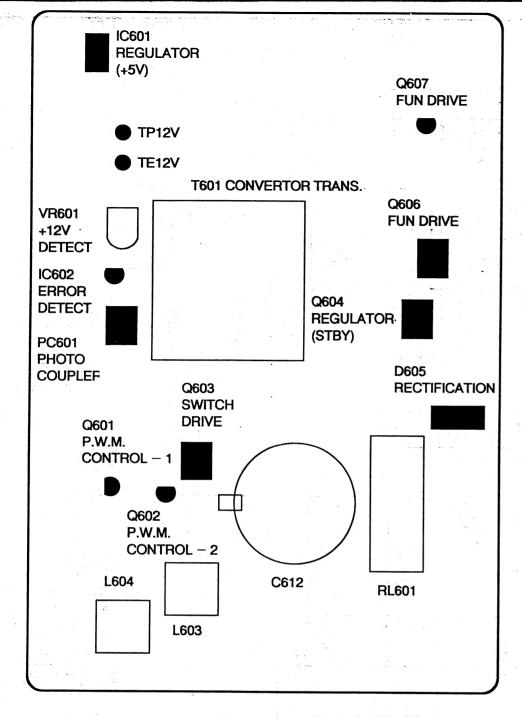
0301 B B B N

Q2307 Q2317 Q2327

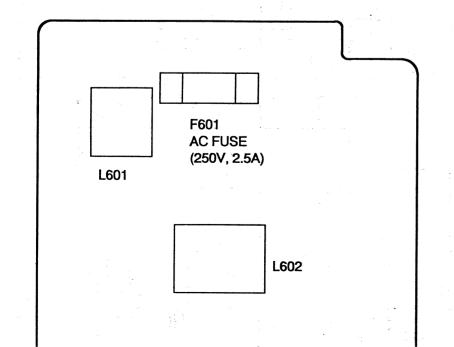
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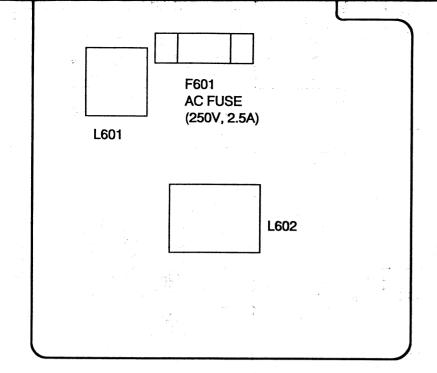


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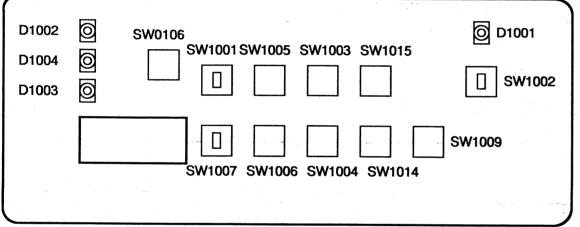


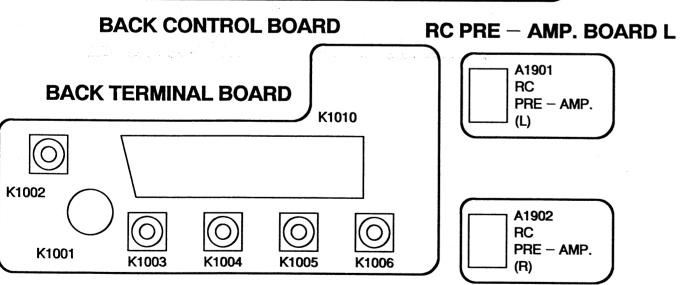
**POWER SUPPLY BOARD** 





### **POWER BOARD**





RC PRE - AMP. BOARD R